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UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

Contents

Section I

Chart Corrections	I-1.1
Chartlets / Depth Tabulations / Notes	I-2.1
Charts Affected by Notice to Mariners	I-3.1

Section II

NGA Hydrographic Products Catalog Corrections	II-1.1
Navigation Publications Corrections	II-2.1
USCG Light List Corrections / Radiobeacon Corrections	II-3.1
NGA List of Lights / Radiobeacon / DGPS Corrections	II-4.1
Publications Affected by Notice to Mariners	II-5.1

Section III

Broadcast Warnings / MARAD Advisories / Special Warnings	III-1.1
Marine Information	III-2.1

Visit the Maritime Safety Information Division website at
<http://pollux.nss.nga.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
ENS Cico	USS DEFENDER
LTJG R. Kelly	USS TICONDEROGA

Cover Photo: The **USS FORD (FFG-54)** is the forty-eighth ship of the *Oliver Hazard Perry* Class of guided missile frigates. Her mission is to provide in-depth anti-air, anti-surface and anti-subsurface protection for military and merchant shipping and to ensure continuous use of the sea lanes for the United States and her allies. The combat systems aboard utilize a computer command and control system to integrate the ship's sensors and weapons. Her weapons include surface-to-surface and surface-to-air missiles, a 76mm rapid fire gun, a close-in weapons system, anti-submarine torpedoes and LAMPS MK III helicopter. The propulsion system is a computer controlled gas turbine power plant which utilizes jet engines. **FORD**'s propulsion system can be "brought on line" in less than five minutes as compared to more than four hours for the conventional steam powered ships. Despite the advanced systems aboard, the heart of the ship is the crew. Each member has been highly trained in his particular area of expertise so that he can either operate, monitor or repair all shipboard systems. Skilled technicians and professional leadership make **FORD** a vital asset for the fleet in today's multi-threat environment.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 15/04

HYDROGRAM

**National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

10 April 2004

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS TO BEGIN

THE INTERNATIONAL COSPAS-SARSAT PROGRAM HAS ANNOUNCED PLANS TO TERMINATE SATELLITE PROCESSING OF DISTRESS SIGNALS FROM 121.5 AND 243 MHZ EMERGENCY BEACONS. SEE SECTION III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NGA List of Lights.

Section II-5 lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

514 (INT 814) 6Ed. 2/16/91 LAST NM 40/01 15/04	Delete R Bn 64°24'N 172°15'W	★11326 32Ed. 11/03 NEW EDITION 15/04
	R Bn 64°20'N 173°34'W	Change Legend to "40 FT 2003" 29°36'55"N 94°57'32"W
(34(5550, 5551)03 St. Petersburg)		Legend to "BAYPORT SHIP CHANNEL 40 FT FOR WIDTH OF 300 FT SEP 2003" 29°36'57"N 95°00'40"W
532 17Ed. 2/3/96 LAST NM 11/04 15/04	Delete R Bn 64°24'N 172°15'W	Legend to "39 FT SEP 2003" 29°36'29"N 95°01'40"W
	R Bn 64°20'N 173°34'W	(Previously published 1/04)
(34(5550, 5551)03 St. Petersburg)		
800 4Ed. 8/3/96 LAST NM 17/02 15/04	Delete R Bn 64°24'N 172°15'W	Change Legend to "35 FT AUG 2003" 29°21'03"N 94°43'50"W
	R Bn 64°20'N 173°34'W	(Previously published 1/04)
(34(5550, 5551)03 St. Petersburg)		
803 1Ed. 6/12/67 LAST NM 17/02 15/04	Delete R Bn 64°24'N 172°15'W	Delete (Page A) Light (2 Fl G) 29°40'53"N 94°58'56"W
	(34(5550)03 St. Petersburg)	(Previously published 4/04)
1115A Ed. 10/02 LAST NM 14/04 15/04	Add Submerged well (cov 45fms) [L20] marked by buoy W Or, Fl 2.5s (Priv) 29°16.0'N 88°19.0'W	Delete (Page A, Inset 1) Buoy "94" 29°41'23.9"N 94°59'07.8"W
	(10/04 CG8)	Light "112" 29°43'48.5"N 95°01'36.8"W
		Buoy "112A" 29°43'50.9"N 95°01'44.8"W
		Buoy "114" 29°43'54.9"N 95°02'33.6"W
		(Previously published 6/04)
1116A Ed. 6/03 LAST NM 14/04 15/04	Delete Platform 29°10.2'N 92°32.3'W	Relocate Light "107" from 29°42'43.0"N 95°01'19.5" to 29°42'52.4"N 95°01'19.4"W
	Platform 29°09.2'N 92°34.0'W	Light "108" from 29°42'43.2"N 95°01'10.0" to 29°42'52.4"N 95°01'10.4" (Previously published 6/04)
	Platform 28°28.0'N 93°27.7'W	Change Designation of buoy "110" to "110A" 29°43'46.0"N 95°01'29.3"W
	(See 6/04-1116A)	(Previously published 6/04)
		Add Light "94" Fl R 4s 17ft 29°41'22.9"N 94°59'05.6"W
Add Submerged well (cov 44fms) [L20] marked by buoy W Or Fl 2.5s (Priv) 28°16.8'N 90°14.4'W		Light "96" Fl R 6s 17ft 29°41'38.8"N 94°59'25.5"W
"SAFETY ZONE 147.831 (see note A)" [N2.1] bound by purple composite line joining 27°19.0'N 90°32.4'W		Light "110" Fl R 4s 17ft 29°43'12.4"N 95°01'09.0"W
		Buoy "112" R, Fl R 4s 29°43'49.2"N 95°01'36.2"W
		Light "112A" Fl R 2.5s 17ft 29°43'53.4"N 95°01'55.7"W
		Light "114" Fl R 4s 17ft 29°43'55.7"N 95°02'15.7"W
		Light "114A" Fl R 6s 17ft 29°43'55.6"N 95°02'27.4"W
		Light "114B" Fl R 4s 17ft 29°43'56.7"N 95°02'37.7"W
		(Previously published 6/04)
1117A Ed. 4/03 LAST NM 10/04 15/04	Delete Platform 28°34.1'N 94°53.3'W	(Page A)
		Range lights (Iso R 6s, QR) and range line between 29°41'04"N 94°58'43"W
Add Submerged well (cov 25fms) [L20] marked by buoy W Or Fl 2.5s (Priv) 28°05.2'N 95°41.3'W		29°41'21"N 94°59'09"W
(10/04 CG8)		(Previously published 7/04)
11004 7Ed. 10/29/94 LAST NM 14/04 15/04	Add "SAFETY ZONE 147.831 NOTE NO 1" [N2.1] bound by purple composite line joining 27°19.0'N 90°32.4'W	(Page A, Inset 1)
		Range lights (2) and range line between 29°41'03.0"N 94°58'43.1"W
		29°41'49.8"N 94°59'48.2"W
		Range lights (2) and range line between 29°42'12.9"N 95°00'19.8" 29°41'30.4"N 94°59'19.5"
		Light "111" 29°43'17.2"N 95°01'20.3" 29°43'29.4"N 95°01'26.8" 29°43'48.3"N 95°02'36.8"
		Range lights (2) and range line between 29°43'57.7"N 95°01'57.0" 29°43'37.8"N 95°01'26.7"
		(Previously published 7/04)
		Relocate Light "109" from 29°42'59.6"N 95°01'18.9" to 29°43'15.6"N 95°01'19.5" (Previously published 7/04)
★11300 39Ed. 4/03 LAST NM 10/04 15/04	Delete Platform 28°34.1'N 94°53.3'W	Add Range light, front QR 20ft 29°41'00.2"N 94°58'45.1" 29°40'57.1"N 94°58'41.2" (Range light, rear Iso R 6s 37ft
		Range line extending in 312°36' direction from above rear light dashed for 1035 yards, thence solid for 890 yards
Add Submerged well (cov 25fms) [L20] marked by buoy W Or Fl 2.5s (Priv) 28°05.2'N 95°41.3'W		Range light, front QG 20ft 29°42'04.8"N 95°00'02.4" 29°42'09.5"N 95°00'08.3"
(10/04 CG8)		
★11314 23Ed. 1/04 NEW EDITION 15/04	(Side A)	
Relocate Light "1" from 27°50'19.3"N 97°04'56.0" to 27°50'18.5"N 97°04'55.6" (Previously published 12/04)		
(NOS)		
★11316 39Ed. 3/03 LAST NM 1/04 15/04	Delete Platform 28°34'45"N 95°56'45"W	
(10/04 CG8)		
★11323 60Ed. 9/03 LAST NM 9/04 15/04	Delete Platform 29°12'10"N 94°02'05"W	
(See 3/04-11323)		
(10/04 CG8)		

(continued on next page)

SECTION I

11326	(Continued)			
	Range line extending in 132°36' direction from above rear light dashed for 1610 yards, thence solid for 590 yards		Platform Platform Platform (10/04 CG8)	29°26'07"N 92°10'11"W 29°26'00"N 92°09'44"W 29°26'51"N 92°09'47"W
	Solid line (range line) between	29°41'26.5"N 94°59'14.0"W 29°41'23.2"N 94°59'11.7"W		
	Light "109A" Fl G 6s 17ft	29°43'25.4"N 95°01'23.6"W		
	Light "111" Fl G 2.5s 17ft	29°43'39.4"N 95°01'38.0"W		
	Light "111A" Fl G 2.5s 17ft	29°43'43.9"N 95°01'53.2"W		
	Light "113" Fl G 4s 17ft	29°43'46.4"N 95°02'16.3"W		
	Light "113B" Fl G 4s 17ft	29°43'48.9"N 95°02'38.0"W		
	Range light, front QR 17ft	29°43'53.6"N 95°01'45.0"W		
	Range light, rear Iso R 6s 25ft	29°43'58.1"N 95°01'49.5"W		
	Range line extending in 139° direction from above rear light dashed for 700 yards, thence solid for 700 yards			
	(Previously published 7/04)			
	(Page A)			
Add	Purple dashed line with purple tint band joining	29°36'43"N 94°59'31"W 29°36'47"N 94°59'31"W 29°36'46"N 95°01'30"W		
	Legend "SECURITY ZONE 165.814 (see note A)"	29°36'40"N 95°01'17"W		
	(Previously published 14/04)			
	(Page A, Inset 1)			
Add	Purple dashed line with purple tint band joining	29°41'04.0"N 94°59'23.1"W 29°41'12.6"N 94°59'10.3"W 29°40'58.7"N 94°58'59.8"W 29°40'59.5"N 94°59'01.8"W 29°40'57.1"N 94°59'20.4"W		
	Legend "SECURITY ZONE 165.814 (see note A)"	29°40'54.0"N 95°00'17.0"W		
	(Previously published 14/04)			
	(Page C)			
Add	Purple dashed line with purple tint band between	29°23'10"N 94°53'15"W 29°22'45"N 94°52'56"W		
	Legend "SECURITY ZONE 165.814 (see note A)"	29°22'36"N 94°53'15"W		
	(Previously published 14/04)			
	(NOS)			
★11330	15Ed. 10/03 LAST NM 14/04			15/04
Delete	Platform	28°28.0'N 93°27.7'W		
	Platform	28°34.1'N 94°53.3'W		
	(10/04 CG8)			
★11340	68Ed. 6/03 LAST NM 14/04			15/04
Delete	Platform	29°10.2'N 92°32.3'W		
	Platform	29°09.2'N 92°34.0'W		
	Platform	28°28.0'N 93°27.7'W		
	(See 6/04-11340)			
Add	Submerged well (cov 44fms) [L20] marked by buoy W Or Fl 2.5s (Priv)	28°16.8'N 90°14.4'W		
	"SAFETY ZONE 147.831 (see note A)" [N2.1] bound by purple composite line joining	27°19.0'N 90°32.4'W 27°19.6'N 90°32.4'W 27°19.6'N 90°31.8'W 27°19.0'N 90°31.8'W		
	(NOS; 10/04 CG8)			
★11349	40Ed. 7/02 LAST NM 6/04			15/04
Delete	Platform	29°26'43"N 92°12'18"W		
	Platform	29°27'13"N 92°11'24"W		
	Platform	29°27'34"N 92°11'09"W		
	Platform	29°26'52"N 92°11'13"W		
	Platform	29°26'51"N 92°10'49"W		
	Platform	29°26'31"N 92°10'57"W		
	Platform	29°26'08"N 92°10'57"W		
	Platform	29°26'18"N 92°10'37"W		
	Platform	29°26'00"N 92°10'29"W		
★11351	38Ed. 3/03 LAST NM 14/04			15/04
Add	Legend "Shoaling (PA) (2004)"	(10/04 CG8)	29°28'37"N 91°16'34"W	
11352	37Ed. 12/03 LAST NM 14/04			15/04
Add	Legend "Range reported to improperly mark center of channel (2004)"	(10/04 CG8)	29°03.1'N 90°13.9'W	
	Legend "Shoaling (PA) (2004)"	(10/04 CG8)	29°28.6'N 91°16.6'W	
11354	24Ed. 4/03 LAST NM 14/04			15/04
	(Side A)			
Add	Legend "Shoaling (PA) (2004)"	(10/04 CG8)	29°28'37"N 91°16'34"W	
★11357	36Ed. 7/03 LAST NM 14/04			15/04
Add	Legend "Range reported to improperly mark center of channel (2004)"	(10/04 CG8)	29°04'14"N 90°13'48"W	
★11360	40Ed. 10/02 LAST NM 14/04			15/04
Add	Submerged well (cov 45fms) [L20] marked by buoy W Or, Fl 2.5s (Priv)	(10/04 CG8)	29°16.0'N 88°19.0'W	
11362	4Ed. 6/10/00 LAST NM N14/04			N15/04
Add	Submerged well (cov 45fms) [L20] marked by buoy W Or, pillar, Fl 2.5s (Priv)	(10/04 CG8)	29°16.0'N 88°19.0'W	
11365	17Ed. 10/02 LAST NM 14/04			15/04
	(Side B)			
Add	Legend "Range reported to improperly mark center of channel (2004)"	(10/04 CG8)	29°03'48"N 90°13'52"W	
★11366	8Ed. 10/03 LAST NM 14/04			15/04
Add	Submerged well (cov 44fms) [L20] marked by buoy W Or Fl 2.5s (Priv)	(10/04 CG8)	28°16.8'N 90°14.4'W	
11400	34Ed. 11/17/01 LAST NM 13/03			15/04
Add	Dangerous wreck [K28]	(8, 9/04 CG7)	27°39.0'N 82°53.0'W	
	Light Fl(4) 30s 110ft 19M (Priv)		28°10.0'N 82°50.7'W	
★11409	28Ed. 5/03 LAST NM 32/03			15/04
Add	Light Fl(4) 30s 110ft 19M (Priv)	(8/04 CG7)	28°10'02"N 82°50'44"W	
11411	14Ed. 8/02 LAST NM 14/04			15/04
	(Side B)			
Add	Light Fl(4) 30s 110ft 19M (Priv)	(8/04 CG7)	28°10'02"N 82°50'44"W	
11412	41Ed. 8/02 LAST NM 14/04			15/04
Delete	BELL from buoy "12"	(8-10/04 CG7)	27°36'18"N 82°50'25"W	
Add	Light Fl(4) 30s 110ft 19M (Priv)		28°10'02"N 82°50'44"W	
	Dangerous wreck [K28]		27°39'00"N 82°53'00"W	
★11415	6Ed. 11/03 LAST NM 14/04			15/04
Delete	BELL from buoy "12"	(9, 10/04 CG7)	27°36'17"N 82°50'24"W	
Add	Dangerous wreck [K28]		27°39'00.5"N 82°53'00.4"W	

SECTION I

NM 15/04

<p>★11416 6Ed. 1/04 NEW EDITION Delete BELL from buoy "7G" 15/04 BELL from buoy "2K" Legend "PA"</p> <p>Change Light "67" to QG 16ft 4M 27°47'21"N 82°34'01"W Visibility (range) of light "2" to 5M 27°49'32"N 82°34'10"W 27°38'05"N 82°39'54"W</p> <p>(Inset St. Petersburg) Change Visibility (range) of light "2" to 5M 27°46'18.1"N 82°37'33.5"W (NOS; 41/03 CG7; USCG LL)</p> <p>11425 35Ed. 11/03 LAST NM 14/04 (Side A) Delete BELL from buoy "8" 26°41'48"N 82°17'57"W BELL from buoy "12" 26°42'21"N 82°16'44"W (9/04 CG7)</p> <p>★11426 36Ed. 7/03 LAST NM 14/04 Delete BELL from buoy "8" 26°41'47"N 82°17'56"W BELL from buoy "12" 26°42'22"N 82°16'42"W (9/04 CG7)</p> <p>11427 33Ed. 10/02 LAST NM 2/03 (Side B) Delete BELL from buoy "8" 26°41'47"N 82°17'55"W BELL from buoy "12" 26°42'20"N 82°16'43"W (9/04 CG7)</p> <p>★11428 33Ed. 1/04 NEW EDITION (NOS)</p> <p>★11441 40Ed. 12/03 NEW EDITION Add Depth 52 feet Wk [K26] 15/04 (Previously published 52/03)</p> <p>Change Note to "HEIGHTS Heights in feet above Mean High Water." 24°37'21"N 81°59'28"W</p> <p>Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★11460 39Ed. 12/03 NEW EDITION Change Characteristic of Racon to (-•-•) 15/04 Light to Fl 20s 136ft 28M 25°13.3'N 80°12.6'W 26°15.5'N 80°05.0'W</p> <p>Add Buoy Or, can, Fl Y 10s (Navy) 26°00.8'N 79°59.6'W (NOS; 30/03 CG7; USCG LL)</p> <p>11476 19Ed. 5/12/01 LAST NM 34/03 Delete Position circle "TOWER" 15/04 (NTM0001/2004) 28°24'38"N 80°36'06"W</p> <p>11477 6Ed. 2/15/97 LAST NM N16/02 Delete Position circle "TR" 28°24'42"N 80°36'08"W N15/04</p> <p>Add Tabulation of controlling depths from Subsection I-2 (NOS; NTM0001/2004)</p> <p>11481 4Ed. 8/02 LAST NM 13/04 Delete Position circle "TANK" 15/04 Position circle "TOWER" (US CH 11478; NTM0001/2004) 28°24'44"N 80°36'11"W 28°24'41"N 80°36'07"W</p> <p>11518 33Ed. 1/03 LAST NM 14/04 (Side A) Relocate Range light, rear from 32°46'10"N 79°51'46"W to 32°46'11"N 79°51'44"W (10/04 CG7)</p> <p>★11524 46Ed. 12/02 LAST NM 14/04 Relocate Range light, rear from 15/04 32°46'10.2"N 79°51'46.6"W to 32°46'10.7"N 79°51'43.7"W</p>	<p>Add Range line (dashed) extending in 074°12' direction from above rear light to 32°46'10.2"N 79°51'46.6"W Note: Range bearing unchanged (10/04 CG7)</p> <p>★11527 16Ed. 1/13/01 LAST NM 14/04 15/04 Relocate Light "88" from 32°58'05.3"N 79°55'33.1"W to 32°58'01.0"N 79°55'28.0"W Light "92" from 32°58'21.2"N 79°55'26.2"W to 32°58'19.0"N 79°55'30.8"W Light "112" from 33°00'04.0"N 79°54'12.0"W to 33°00'03.3"N 79°54'11.2"W (8, 9/04 CG7)</p> <p>12206 30Ed. 10/03 LAST NM 2/04 15/04 (Side A) Relocate Beacon "A" from 36°52'43"N 76°20'35"W to 36°52'40"N 76°20'38"W Light "5" from 36°52'49"N 76°20'48"W to 36°52'48"N 76°20'40"W (7/04 CG5)</p> <p>12222 45Ed. 11/03 LAST NM 13/04 15/04 Relocate Beacon "1" from 36°59'05"N 76°21'38"W to 36°59'06"W 76°21'35"W Beacon "A" from 36°52'41"N 76°20'36"W to 36°52'40"N 76°20'38"W Light "5" from 36°52'48"N 76°20'47"W to 36°52'48"N 76°20'40"W Light "2" from 36°57'33"N 76°24'33"W to 36°57'35"N 76°24'34"W (7/04 CG5)</p> <p>★12245 62Ed. 5/03 LAST NM 12/04 15/04 Relocate Beacon "1" from 36°59'05.0"N 76°21'37.5"W to 36°59'06.4"N 76°21'34.8"W Beacon "A" from 36°52'42.0"N 76°20'34.9"W to 36°52'40.0"N 76°20'37.9"W Light "5" from 36°52'48.0"N 76°20'46.8"W to 36°52'47.6"N 76°20'40.1"W Light "2" from 36°57'34.0"N 76°24'34.0"W to 36°57'34.8"N 76°24'33.8"W (7/04 CG5)</p> <p>12248 40Ed. 9/03 LAST NM 4/04 15/04 Relocate Light "2" from 36°57'34"N 76°24'34"W to 36°57'35"N 76°24'34"W (7/04 CG5)</p> <p>★12253 43Ed. 6/03 LAST NM 13/04 15/04 Relocate Beacon "A" from 36°52'42.3"N 76°20'35.0"W to 36°52'40.0"N 76°20'37.9"W Light "5" from 36°52'48.5"N 76°20'46.8"W to 36°52'47.6"N 76°20'40.1"W</p> <p>Change Legend to "24 FT FOR WIDTH OF 500 FT JUN 2003" 36°50'30"N 76°17'10"W Legend to "25 FT FOR 300 FT JUN 2003" 36°50'23"N 76°16'11"W Legend to "17 1/2 FT FOR LEFT HALF JUN 2003" 36°50'23"N 76°15'26"W (NOS)</p> <p>★12270 33Ed. 12/03 NEW EDITION 15/04 (NOS)</p> <p>★12313 49Ed. 7/03 LAST NM 8/04 15/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12324 31Ed. 1/04 NEW EDITION 15/04 (NOS)</p> <p>★13221 54Ed. 12/03 NEW EDITION 15/04 (NOS)</p>
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SECTION I

13224	36Ed. 12/1/01	LAST NM 27/03	15/04	Add Double dashed line with land tint (bridge) joining 41°48'58.0"N 71°24'03.4"W 41°48'54.0"N 71°24'10.6"W 41°48'52.5"N 71°24'09.8"W 41°48'56.7"N 71°24'02.3"W	14145	2Ed. 2/11/95	LAST NM 47/03	15/04	Delete Buoy Buoy (12(4448)03 Ottawa)	46°01'04.2"N 61°32'58.1"W 46°01'04.2"N 61°33'00.6"W	
		Purple-tint (construction area) 334 yards wide on centerline between		41°48'53.3"N 71°24'10.2"W 41°48'57.4"N 71°24'02.9"W	14189	2Ed. 1/21/95	LAST NM 6/04	15/04	Delete Buoy "MH6" Buoy "MH" (12(4911)03 Ottawa)	47°11'34.0"N 65°00'52.4"W 47°10'46.0"N 64°59'31.0"W	
		Legend "Bridge under construction"	(NOS)	41°48'47.0"N 71°24'14.0"W	14193	Ed. 7/9/99	LAST NM N38/03	N15/04	Characteristic of buoy "D49" to QG (Lower Panel) (12(1432)03 Ottawa)	45°06'08.3"N 74°29'03.1"W	
★13225	33Ed. 12/9/00	LAST NM 6/01	15/04	Delete Purple tint area in vicinity Legend "Bridge...B)" Note: Construction completed	41°49'05.0"N 71°24'12.7"W 41°49'02.4"N 71°24'24.5"W	14195	Ed. 8/2/96	LAST NM N42/03	N15/04	Characteristic of buoy "C23" to QG Characteristic of buoy "C38" to QR Characteristic of buoy "C14" to QR (12(1431)03 Ottawa)	45°13'14.2"N 74°02'26.1"W 45°13'24.2"N 74°05'56.6"W 45°14'17.1"N 73°59'38.6"W
		Substitute Double solid line for double dashed line in vicinity		41°49'05.0"N 71°24'12.7"W	14196	Ed. 4/26/02	LAST NM N38/03	N15/04	Characteristic of buoy "C23" to QG Characteristic of buoy "C38" to QR Characteristic of buoy "C14" to QR Marina symbol (12(1431)03 Ottawa)	45°26'07.6"N 73°43'34.4"W 45°26'09.0"N 73°43'33.4"W 45°26'09.9"N 73°43'31.0"W 45°26'08.6"N 73°43'26.8"W 45°19'00.8"N 73°52'32.2"W 45°19'03.1"N 73°52'44.2"W 45°19'13.0"N 73°52'48.6"W 45°25'51.1"N 73°40'56.0"W 45°18'58.6"N 73°52'33.0"W	
		Add Legend "FIXED BRIDGE HOR CL 99 FT VERT CL 7 FT"		41°49'01.0"N 71°24'18.1"W					Solid line, land tint (breakwater) and legend "Bkw" in vicinity ("Bkw" in vicinity)	45°19'06.5"N 73°52'33.5"W	
		Double dashed line with land tint (bridge) and legend "Bridge under construction (see note B)" joining	(NOS)	41°48'58.0"N 71°24'03.4"W 41°48'54.0"N 71°24'10.6"W 41°48'52.5"N 71°24'09.8"W 41°48'56.7"N 71°24'02.3"W					Shape of buoy "Club" to spar Characteristic of light to Fl R Characteristic of light to Fl G Characteristic of light to FR Characteristic of light to FG Characteristic of light to FG Characteristic of light to F	45°25'49.2"N 73°41'21.9"W 45°25'52.2"N 73°40'56.8"W 45°25'51.6"N 73°40'56.2"W 45°25'29.6"N 73°50'11.4"W 45°25'30.4"N 73°50'04.9"W 45°25'28.9"N 73°50'11.9"W 45°26'07.0"N 73°45'07.6"W	
		Purple-tint (construction area) 334 yards wide on centerline between		41°48'53.3"N 71°24'10.2"W 41°48'57.4"N 71°24'02.9"W					Characteristic of light to 3 Lts Fl Y Characteristics of light to Fl Y	45°25'45.0"N 73°49'12.0"W	
★13230	47Ed. 12/03	NEW EDITION	15/04	(NOS)					Add Legend "Bkw" Light FG (Priv) Light 2 Fl Y (Priv) Buoy W Or, spar (Priv)	45°25'51.7"N 73°40'59.8"W 45°25'32.6"N 73°50'04.8"W 45°19'48.1"N 73°50'36.6"W 45°24'06.5"N 73°56'57.0"W	
★13270	60Ed. 9/03	LAST NM 9/04	15/04	Relocate Buoy "1A" from 42°22'01.9"N 70°55'00.9"W to 42°22'01.8"N 70°55'03.9"W (7/04 CG1)							
13274	25Ed. 9/03	LAST NM 6/04	15/04	(Side B) Relocate Buoy "1A" from 42°22'01"N 70°55'02"W to 42°22'02"N 70°55'04"W (7/04 CG1)							
13275	28Ed. 9/03	LAST NM 45/03	15/04	Relocate Buoy "1A" from 42°22'02.1"N 70°55'00.9"W to 42°22'01.8"N 70°55'03.9"W (7/04 CG1)							
★13309	28Ed. 9/02	LAST NM 52/03	15/04	Add Buoy "A" (Priv) Buoy "B" (Priv) Buoy "E" W Or, Fl 4s (Priv) Buoy "F" W Or, Fl 4s (Priv) (7/04 CG1)	44°22'17"N 68°57'04"W 44°22'11"N 68°57'03"W 44°22'14"N 68°57'03"W 44°22'13"N 68°57'03"W	14197	Ed. 4/12/02	LAST NM N38/03	N15/04	Delete Buoy Buoy Buoy Buoy Light	45°26'07.6"N 73°43'34.4"W 45°26'09.0"N 73°43'33.4"W 45°26'09.9"N 73°43'31.0"W 45°26'08.6"N 73°43'26.8"W 45°25'51.1"N 73°40'56.0"W
									Change Shape of buoy "Club" to spar Characteristic of light to Fl R Characteristic of light to Fl G	45°25'49.2"N 73°41'21.9"W 45°25'52.2"N 73°40'56.8"W 45°25'51.6"N 73°40'56.2"W	
14002	57Ed. 4/15/95	LAST NM 49/03	15/04	Delete Buoy (12(4911)03 Ottawa)	47°10.8'N 64°59.5'W	14209	Ed. 11/5/99	LAST NM N38/03	N15/04	Add Legend "Bkw" (7/1409)03 Ottawa)	45°25'51.7"N 73°40'59.8"W
14085	6Ed. 5/20/95	LAST NM 49/03	15/04	(Plan A) Delete Depth 3 fathoms 2 feet	44°22'29.9"N 64°18'34.0"W						
				Add Depth 2 fathoms 3 feet (12(4328)03 Ottawa)	44°22'30.2"N 64°18'34.2"W						
14143	Ed. 3/27/87	LAST NM N4/04	N15/04	Add Superbuoy ODAS [Q58] "MPO" Y (Priv) (12(4951)03 Ottawa)	47°28'31"N 61°41'18"W	14212	Ed. 7/28/00	LAST NM N11/04	N15/04		
									Relocate Buoy "C33" from 46°22'46.4"N 72°26'35.5"W to 46°22'44.0"N 72°26'49.1"W		

(continued on next page)

SECTION I

NM 15/04

14212	(Continued)			
(Plan Port de Trois-Rivieres)				
Delete	Buoy	46°21'18.2"N 72°30'44.8"W		Change Visibility (range) of light "2" to 9 NM 41°29'45"N 81°43'50"W (NOS; 12/03 CG9)
	Buoy	46°21'16.6"N 72°30'46.0"W		
	Buoy	46°21'18.1"N 72°30'39.4"W		
	Buoy	46°21'17.1"N 72°31'05.9"W		
	Buoy	46°21'17.7"N 72°30'56.3"W		
	Buoy	46°21'16.9"N 72°31'08.4"W		
	Buoy	46°21'17.4"N 72°31'01.4"W		
	Buoy	46°21'17.3"N 72°30'49.5"W		
Add	Beacon R, cone topmark	46°21'41.7"N 72°31'57.7"W		
	Legend "Chenal bâise / Channel Buoyed (Priv)" (12(1313)03 Ottawa)	46°21'17.4"N 72°30'34.6"W		
14216	Ed. 8/17/01 LAST NM N5/04	N15/04		
Add	Legend "Ru(2m)" (See N5/04-14216) (12(1317)03 Ottawa)	47°04'09.1"N 70°30'54.0"W		
14340	25Ed. 11/4/95 LAST NM 9/04	15/04		
Change	Characteristic of light to Fl 3s (12(4831)03 Ottawa)	47°24.2"N 55°35.1'W		
14357	Ed. 1/10/86 LAST NM N4/04	N15/04		
Delete	Range lights (2), range line and legend "244½°" between	47°06'08"N 55°44'53"W 47°06'54"N 55°42'30"W		
	Buoy "VG"	47°06'27"N 55°44'00"W		
Change	Characteristic of light to QR Characteristic of light to QG (1, 4, 12(4832)03 Ottawa)	47°06'07"N 55°44'57"W 47°06'08"N 55°44'53"W		
14358	Ed. 10/2/87 LAST NM N5/04	N15/04		
Delete	Range lights (2), range line and legend "244½°" between	47°06.00'N 55°45.10'W 47°06.73'N 55°42.92'W		
	Buoy "VG"	47°06.45'N 55°44.00'W		
Change	Characteristic of light to Fl 3s Characteristic of light to Fl R	47°24.20'N 55°35.10'W 47°06.11'N 55°44.90'W		
(Plan Grand Bank Harbour)				
Delete	Range lights (2), range line, and legend "064½°-244½°" between	47°06'02.0"N 55°45'08.4"W 47°06'13.8"N 55°44'33.0"W		
	Light	47°06'09.2"N 55°45'53.2"W		
Change	Characteristic of light to QR (Supersedes 1/04-14358)	47°06'06.6"N 55°44'57.2"W		
Add	Double solid line with land tint (breakwater) [F4.1] between	47°06'09.0"N 55°44'53.5"W 47°06'07.0"N 55°44'52.0"W		
	Light Fl R (1, 12(4832)03 Ottawa)	47°06'07.9"N 55°44'52.5"W		
14360	36Ed. 3/25/95 LAST NM 6/04	15/04		
Change	Light to Fl 18s 28m 15M HORN (12(4017)03 Ottawa)	48°30.2'N 53°02.6'W		
14757	Ed. 3/1/96 LAST NM N41/01	N15/04		
(Lower Panel)				
Delete	Buoy "107A" (12(1434)03 Ottawa)	44°50'29.9"N 75°17'55.0"W		
★14820	20Ed. 1/04 NEW EDITION (NOS)	15/04		
★14829	6Ed. 12/03 NEW EDITION Delete Submarine cable between (Previously published 8/04)	15/04 41°32'34"N 81°39'04"W 41°32'06"N 81°38'48"W		
14830	30Ed. 6/03 LAST NM 47/03	15/04		
	(Inset Monroe Harbor)			
Delete	Depth 20 feet	41°53'29.6"N 83°20'01.0'W		
Substitute	Depth 16 feet for 17 feet Depth 17 feet for 18 feet Depth 18 feet for 19 feet	41°54'02.2"N 83°21'37.8'W 41°53'34.3"N 83°20'17.9'W 41°53'32.7"N 83°20'12.0'W		
Add	Depth 19 feet (NOS)	41°53'58.0"N 83°21'11.5'W 41°53'30.3"N 83°20'01.1'W		
★14848	56Ed. 11/10/01 LAST NM 22/03	15/04		
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			
★14852	45Ed. 2/03 LAST NM 10/04	15/04		
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			
14853	14Ed. 3/03 LAST NM 10/04	15/04		
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			
14854	13Ed. 5/20/00 LAST NM 17/03	15/04		
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			
★14880	31Ed. 5/03 NEW EDITION (NOS)	15/04		
★14883	43Ed. 1/04 NEW EDITION (NOS)	15/04		
★14913	18Ed. 5/03 LAST NM 10/04	15/04		
(Inset Traverse City)				
Add	Solid line (breakwater) [F4.1] joining 44°46'02.9"N 85°37'24.9'W 44°46'05.5"N 85°37'23.1'W 44°46'06.0"N 85°37'18.8'W (NOS)			
★14930	25Ed. 1/04 NEW EDITION (NOS)	15/04		
★14966	26Ed. 5/03 NEW EDITION Change Visibility (range) of light to 17 St M (Previously published 49/03) (NOS)	15/04 46°46'48"N 92°05'15"W		
16006	33Ed. 12/23/00 LAST NM 1/04	15/04		
Delete	R Bn R Bn (34(5550, 5551)03 St. Petersburg)	64°24.2'N 172°15.0'W 64°20.2'N 173°34.5'W		
★16085	6Ed. 12/03 NEW EDITION (NOS)	15/04		
16220	5Ed. 2/8/97 LAST NM 36/03	15/04		
Delete	R Bn (34(5550)03 St. Petersburg)	64°24.2'N 172°15.0'W		

SECTION I

★16240	10Ed. 11/03	NEW EDITION (NOS)	15/04	Light to Fl 9M (2IV1)04 Mexico, D.F.; Mex LL)	29°06.0'N 114°42.0'W
★16665	8Ed. 12/03	NEW EDITION (NOS)	15/04	21160 1Ed. 9/17/88 LAST NM 45/02 Change Light to Fl 10M Light to Fl 9M	15/04 30°23.9'N 115°59.0'W 30°21.6'N 115°59.0'W
16680	10Ed. 7/10/99	LAST NM 37/03 Add Depth 146 fathoms Obstn [K41] (PA)	15/04	(Plan A) Change Light to Fl 12s 10m 10M Light to Fl 6s 10m 9M	30°23'53"N 115°58'57"W 30°21'44"N 115°58'58"W
(9/04 CG17)				(Plan B) Change Light to Fl 12s 10m 10M (2IV1)04 Mexico, D.F.; Mex LL)	30°23'53.1"N 115°58'57.2"W
★16682	15Ed. 11/02	LAST NM 37/03 Add Depth 146 fathoms Obstn [K41] (PA)	15/04	21180 1Ed. 4/22/89 LAST NM 7/03 Change Light to Fl 10s 17m 9M (2IV1)04 Mexico, D.F.; Mex LL)	15/04 29°06'00"N 114°42'00"W
(9/04 CG17)					
★17384	8Ed. 12/03	NEW EDITION Change Visibility (range) of light "1" to 4M (Previously published 13/04)	15/04	21441 27Ed. 11/26/94 LAST NM 44/02 (Plan) Delete Depth 8.7 meters Add Depth 5.5 meters Depth 10.7 meters (See 34/02-21441) (11(1252)04 Taunton)	15/04 16°09'23.0"N 95°12'21.0"W 16°09'25.0"N 95°12'21.4"W 16°09'24.5"N 95°12'14.0"W
(NOS)					
★18526	56Ed. 12/03	NEW EDITION Change Light to Fl(2+1) R 6s 35ft 3M	15/04	22084 4Ed. 1/13/96 LAST NM 37/03 (Plan) Change Legend to "PILOT WAITING AREA" Add "QUARANTINE ANCHORAGE AREA" [N12.8] bound by purple dashed line joining 1°02'37.8"N 79°38'08.4"W 1°02'37.8"N 79°37'23.4"W 1°01'46.8"N 79°37'23.4"W 1°01'46.8"N 79°38'08.4"W (11(1178)04 Taunton)	15/04 1°01'21"N 79°39'43"W
(NOS; USCG LL)					
★18531	21Ed. 12/03	NEW EDITION (Lower Panel) Add Tabulation of controlling depths from Subsection I-2 (NOS)	15/04	24160 21Ed. 6/17/95 LAST NM 10/04 Delete Depth 66 meters (11(1171)04 Taunton)	15/04 22°36.5'S 40°53.5'W
★18543	2Ed. 11/03	NEW EDITION Change Chart title in right lower margin of chart to "Columbia River, Pasco to Richland"	15/04	★24224 1Ed. 12/20/03 NEW CHART (NGA)	15/04
★18724	1Ed. 3/03	LAST NM 25/03 Delete Depth 0 fathom 5 feet	15/04	25017 5Ed. 10/30/93 LAST NM 52/03 Delete Light Add Light Fl 2 1/2s 8M (10/04 CG7)	15/04 17°58.5'N 66°45.5'W 17°58.0'N 66°45.1'W
		Substitute Depth 0 fathom 3 feet for 0 fathom 4 feet 34°09'35.4"N 119°13'22.2"W		25575 4Ed. 6/10/95 LAST NM 14/04 Change Characteristic of range light, front to Iso R 2s	15/04 17°07'04"N 61°50'39"W
		Depth 0 fathom 1 foot for 4 fathoms 3 feet 34°09'36.1"N 119°13'48.6"W			
		Depth 3 fathoms 5 feet for 4 fathoms 5 feet 34°09'30.2"N 119°13'47.1"W		Add Note "BUOYAGE The positions and characteristics of the buoys marking the dredged channel and basin in the approaches to Heritage Quay are not known with any certainty. Consult local authorities for the latest information."	
		Depth 3 fathoms 2 feet for 4 fathoms 3 feet 34°09'20.6"N 119°13'41.7"W			
		Change Legend to "13 FT SEP 1996-AUG 2003" 34°09'42.2"N 119°13'25.7"W			
		Legend to "14 FT FOR MID-WIDTH OF 200 FT AUG 2003" 34°09'27.6"N 119°13'34.0"W			
		Add Depth 1 fathom 2 feet 34°09'31.5"N 119°13'29.9"W Depth 1 fathom 2 feet 34°09'40.6"N 119°13'22.2"W (NOS)			
★19342	10Ed. 12/03	NEW EDITION (NOS)	15/04	(Plan) Change Characteristic of range light, front to Iso R 2s (27(2825)03 Taunton; NTM0003/2004)	15/04 17°07'04.5"N 61°50'38.9"W
★19348	8Ed. 12/03	NEW EDITION (NOS)	15/04	★25641 27Ed. 1/04 NEW EDITION Relocate Buoy "4" from 18°19'24"N 64°55'34"W to (NOS; 9/04 CG7)	15/04 18°19'21"N 64°55'33"W
21005	5Ed. 12/26/81	LAST NM 2/03 Change Light to Fl 10M Light to Fl 9M	15/04		

SECTION I

44042	(Continued)		Add	Submarine pipeline [L40.1] between 59°24'27"N 18°20'18"E 59°24'40"N 18°20'31"E (47(1525)03 Norrkoping)
Add	Relocate Buoy from 57°40'53.0"N 11°47'00.0"E to 57°40'54.1"N 11°47'02.3"E Buoy from 57°40'48.5"N 11°46'47.0"E to 57°40'51.7"N 11°46'54.2"E		Delete	LAST NM 14/04 Buoy (See 44/03-44192) (42(1459)03 Norrkoping)
Add	Vertical clearance [D20] 3 meters and horizontal clearance [D21] 7 meters to bridge 57°43'30.0"N 11°39'08.0"E		44192	1Ed. 12/18/93 LAST NM 14/04 15/04 59°15'13"N 17°35'06"E (42(1459)03 Norrkoping)
	Solid line (breakwater) [F4.1] joining 57°43'29.0"N 11°38'57.5"E 57°43'32.0"N 11°39'01.0"E 57°43'30.0"N 11°39'05.0"E		44193	1Ed. 7/16/94 LAST NM 14/04 15/04 Substitute Dangerous submerged rock [K13] for depth 2 meters 59°28'16"N 16°34'51"E
	Solid line (breakwater) [F4.1] between 57°43'26.0"N 11°39'00.0"E 57°43'28.0"N 11°39'03.0"E		Add	Dangerous submerged rock [K13] 59°29'44"N 16°37'02"E Dangerous submerged rock [K13] 59°32'16"N 16°36'19"E Dangerous submerged rock [K13] 59°29'17"N 16°37'47"E Depth 2.2 meters Rk [K14.2] 59°31'29"N 16°58'59"E Depth 0.8 meter Rk [K14.1] 59°32'58"N 16°37'11"E Depth 7.2 meters 59°31'55"N 17°00'20"E
	Legend "Dols" 57°42'58.0"N 11°58'23.0"E			Depth 3 meters enclosed by depth contour (3-meter) 59°29'29"N 16°42'56"E
	Land tint to area bound by shore and solid line between 57°42'35.0"N 11°39'42.5"E 57°42'34.0"N 11°39'44.0"E			Rock awash [K12] 59°29'10"N 16°55'10"E Light QG 59°31'53"N 17°00'34"E Light QR 59°31'52"N 17°00'30"E Light QR 59°31'52"N 17°00'20"E Light OG 59°31'54"N 17°00'24"E Light QG 59°22'41"N 17°02'21"E Light QR 59°22'40"N 17°02'19"E Light QR 59°22'41"N 17°02'14"E Light QG 59°22'42"N 17°02'15"E
	Land tint to area bound by shore and solid line (wharf) [F13] joining 57°42'15.0"N 11°39'23.5"E 57°42'16.5"N 11°39'28.0"E 57°42'18.0"N 11°39'32.5"E			Submarine pipeline [L40.1] joining 59°22'16"N 17°02'07"E 59°22'16"N 17°02'23"E 59°22'32"N 17°02'53"E (25(1230), 27(1263), 31(1294), 35(1349, 1354), 37(1383), 38(1392), 41(1452), 42(1460), 46(1521)03 Norrkoping; Swd CH 113)
44064	19Ed. 6/29/96 LAST NM 6/04 15/04 Add Buoy BRB, pillar, double ball topmark 54°55.7"N 10°40.3"E (9(71)04 Kopenhagen)		44203	1Ed. 2/6/93 LAST NM 12/04 15/04 Add Buoy BRB, pillar, double ball topmark, Fl(2) 5s 60°09'41"N 18°31'30"E
44067	22Ed. 10/19/96 LAST NM 14/04 15/04 Add Swept depth 24.6 meters Wk [K27] 54°36.5"N 11°05.1"E Buoy BRB, pillar, double ball topmark 54°55.7"N 10°40.3"E (43(16)03 Hamburg; 9(71)04 Kopenhagen)			Buoy G, conical, Fl(2) G 6s 60°04'23"N 18°35'09"E
44069	16Ed. 3/15/97 LAST NM 14/04 15/04 Substitute Swept depth 24.6 meters Wk [K27] for depth 26.5 meters Wk 54°36.5"N 11°05.1"E (43(16)03 Hamburg)			(Plan) Add Buoy R, can, QR 60°03'53.6"N 18°35'17.7"E Buoy G, conical, QG 60°03'53.6"N 18°35'13.8"E (See 3/02-44203) (47(1542), 1543)03 Norrkoping)
44081	9Ed. 3/16/96 LAST NM 14/04 15/04 Add Swept depth 17.7 meters Wk [K27] 54°30'18"N 13°41'46"E (49(16)03 Hamburg)		44223	1Ed. 9/5/92 LAST NM 12/04 15/04 Relocate Legend "Sodra Nyhamn" from 62°19'07"N 17°24'24"E to 62°19'14"N 17°25'10"E
44100	7Ed. 3/9/96 LAST NM 14/04 15/04 Add Swept depth 17.7 meters Wk [K27] 54°30.3"N 13°41.8"E (49(16)03 Hamburg)			Light from 62°22'01"N 17°19'11"E to (position circle "TV Tower") 62°22'04"N 17°19'04"E
44164	1Ed. 12/2/89 LAST NM 13/04 15/04 Add Submarine cable (power) [L31.1] between 58°39'52.8"N 17°10'23.0"E 58°39'50.4"N 17°10'10.0"E			Add Buoy R, spar, can topmark 62°19'38"N 17°23'10"E Position circle "R Mast" 62°19'10"N 17°23'47"E Position circle "Wtr Tr" 62°18'55"N 17°21'46"E Position circle "Chy" 62°19'15"N 17°23'35"E Position circle "Wtr Tr" 62°18'03"N 17°22'14"E
	Submarine cable (power) [L31.1] joining 58°39'52.8"N 17°10'23.0"E 58°39'41.0"N 17°10'42.0"E 58°39'38.4"N 17°10'40.0"E			Buoy YB, spar, double cone topmark points downward 62°19'15"N 17°23'27"E (41(1443)03 Norrkoping; Swd CH 524)
44165	1Ed. 10/6/90 LAST NM 12/04 15/04 Add Submarine cable (power) [L31.1] joining 58°39'53"N 17°10'23"E 58°39'41"N 17°10'42"E 58°39'38"N 17°10'40"E (25(1212)03 Norrkoping; Swd CH 6211)		44361	6Ed. 7/13/96 LAST NM 6/04 15/04 Delete Buoy (mooring) 59°59'14"N 29°43'04"E Buoy (mooring) 59°59'10"N 29°43'03"E Buoy (mooring) 59°59'16"N 29°42'47"E Buoy (mooring) 59°59'13"N 29°42'45"E
44182	4Ed. 5/28/94 LAST NM 12/04 15/04 Add Light Fl(2) G 6s 4m 3M 59°18'21.7"N 18°02'31.7"E Light Fl(2) G 6s 4m 3M 59°18'28.0"N 18°02'17.3"E Light Fl R 3s 4m 3M 59°18'24.7"N 18°02'12.7"E Light Fl R 3s 4m 3M 59°18'19.3"N 18°02'28.6"E (47(1541)03 Norrkoping)			(Plan) Delete Legend "Ferry" 59°54'40.0"N 30°14'14.0"E Berth designation "24" 59°53'59.0"N 30°13'21.5"E Buoy "10" 59°53'07.5"N 30°13'24.2"E
44183	6Ed. 4/19/97 LAST NM 14/04 15/04 Change Legend to "Edö Tallholme" 59°24'43"N 18°20'36"E			Change Legend to "Gladkiy Peninsula" 59°53'17.0"N 30°14'13.0"E (33(5061, 5062)98 St. Petersburg)

SECTION I

NM 15/04

44365	1Ed. 8/3/91 LAST NM 13/04 Add Depth 11.1 meters (50(8231)03 St. Petersburg)	15/04 60°35'00.1"N 28°28'58.2"E	55110	2Ed. 8/31/96 LAST NM 14/04 Change Light to FR 13m 4M (20(92)03 Istanbul)	15/04 41°53.2'N 28°01.2'E
51341	23Ed. 5/18/96 LAST NM 34/03 (Plan) Add Light Fl R 5s 13m 3M (26(363)00 Cadiz)	15/04 28°29'30.6"N 16°12'48.2"W	55131	1Ed. 11/16/96 LAST NM 9/04 Add Legend "(Note No 4)" along range line	15/04 45°31.7'N 29°47.6'E
53061	10Ed. 2/19/94 LAST NM 44/03 Substitute Depth 43 meters Wk [K26] for depth 40 meters Wk (unsurveyed)	15/04 43°19'48.9"N 5°20'06.2"E		Note No. 4 to NOTES "4. In the Prorvinskiy channel the least depth is 3.5 meters. Pilotage is compulsory in both directions."	45°35.2'N 29°36.7'E (34(5259)98 St. Petersburg)
Add	Depth 36 meters Wk [K26] Depth 56 meters Wk [K26] Depth 55 meters Wk [K26] (Fr CH 7390)	43°20'09.0"N 5°19'50.0"E 43°19'35.0"N 5°19'25.0"E 43°19'28.2"N 5°19'33.0"E	55138	4Ed. 8/31/96 LAST NM 9/04 Delete Anchorage area in vicinity	15/04 42°11'18"N 41°36'39"E
53062	13Ed. 1/22/94 LAST NM 16/03 Substitute Depth 43 meters Wk [K26] for depth 40 meters Wk (unsurveyed)	15/04 43°19'48.9"N 5°20'07.0"E	Add	"Tanker Anchorage No 200" area [N12.5] bound by purple dashed line joining	42°11'23"N 41°35'23"E 42°11'59"N 41°35'46"E 42°11'11"N 41°37'48"E 42°10'47"N 41°37'52"E 42°10'35"N 41°37'30"E (31(4743)98 St. Petersburg)
	Depth 56 meters Wk [K26] for 54 meters Wk	43°19'20.4"N 5°19'17.2"E	55139	5Ed. 5/6/00 LAST NM 6/04 Add "Area No 10 CAUTION NO 2" bound by purple dashed line joining	15/04 41°39'41"N 41°39'11"E 41°39'53"N 41°39'11"E 41°39'53"N 41°39'32"E 41°39'41"N 41°39'32"E (31(4742)98 St. Petersburg)
Add	Depth 36 meters Wk [K26] Depth 62 meters Wk [K26] Depth 69 meters Wk [K26] Depth 70 meters Wk [K26] Depth 49 meters Wk [K26] Depth 56 meters Wk [K26] Depth 57 meters Wk [K26] Depth 62 meters Wk [K26] Depth 67 meters Wk [K26] Depth 55 meters Wk [K26] Depth 56 meters Wk [K26] Depth 56 meters Wk [K26] Depth 56 meters Wk [K26] Depth 60 meters Wk [K26] Depth 63 meters Wk [K26] (Fr CH 7390)	43°20'09.0"N 5°19'50.0"E 43°19'52.0"N 5°17'48.0"E 43°19'28.0"N 5°17'32.0"E 43°19'11.0"N 5°17'15.0"E 43°19'40.0"N 5°19'43.0"E 43°19'35.0"N 5°19'25.0"E 43°19'27.0"N 5°19'12.0"E 43°19'26.0"N 5°18'58.0"E 43°19'13.0"N 5°18'38.0"E 43°19'28.2"N 5°19'33.0"E 43°19'25.0"N 5°19'26.0"E 43°19'22.0"N 5°19'28.0"E 43°19'18.5"N 5°19'29.5"E 43°19'14.0"N 5°19'17.0"E 43°19'07.5"N 5°19'19.8"E	55170	2Ed. 10/5/96 LAST NM 13/04 Add "CAUTION NO 3" [N2.2] (prohibited area) bound by shore and purple composite line joining	15/04 42°59.2'N 40°59.1'E 42°57.9'N 41°00.7'E 42°57.0'N 40°58.8'E 42°59.6'N 40°56.6'E 42°59.8'N 40°57.3'E (31(4739)98 St. Petersburg)
54382	9Ed. 6/1/96 LAST NM 40/03 Change Visibility (range) of light to 8M (14(61)03 Istanbul)	15/04 39°20'48"N 26°40'48"E	55190	2Ed. 10/5/96 LAST NM 9/04 Add Buoy BRB, spar, double ball topmark	15/04 46°03.8'N 38°07.9'E (35(5470)98 St. Petersburg)
54464	5Ed. 9/4/93 LAST NM 17/03 Add Depth 9 meters Depth 16.1 meters (Plan A) Substitute Depth 16.1 meters for 19.5 meters	15/04 35°20'31"N 33°21'10"E 35°21'02"N 33°18'52"E 35°21'02.4"N 33°18'52.2"E	★62434	9Ed. 12/8/01 LAST NM 12/04 Add "MINE DANGER AREA (SEE NOTE)" bound by purple dashed line joining	15/04 29°40'00"N 48°35'12"E 29°40'00"N 48°37'24"E 29°39'00"N 48°37'24"E 29°39'00"N 48°38'00"E 29°38'00"N 48°38'00"E 29°38'00"N 48°33'21"E
	Add Depth 9 meters (33(148)03 Istanbul)	35°20'30.6"N 33°21'10.2"E		"MINE DANGER AREA (SEE NOTE)" bound by purple dashed-line greater arc of a circle, radius 1 mile, centered	29°40'48"N 48°48'30"E 29°41'42"N 48°48'00"E 29°39'50"N 48°48'00"E
55041	7Ed. 5/13/95 LAST NM 13/04 (Panel A) Change Light to FR 5m 3M	15/04 40°11'03.0"N 26°21'44.0"E		thence a purple dashed line between	29°39'50"N 48°48'00"E 29°40'18"N 48°48'00"E
	(Panel B) Change Light to FR 5m 3M (32(143)03 Istanbul)	40°11'03.0"N 26°21'44.0"E		"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E 29°46'06"N 48°48'00"E
55047	8Ed. 9/16/00 LAST NM 7/04 Change Light to Fl(2) R 10s 6m 10M (14(60)03 Istanbul)	15/04 41°02'36.0"N 29°02'29.0"E		thence a purple dashed-line greater arc of a circle, radius 1 mile, centered	29°47'00"N 48°48'27"E 29°46'06"N 48°48'00"E 29°47'54"N 48°48'00"E
55048	12Ed. 9/9/00 LAST NM 13/04 (Panel B) Change Light to Fl(2) R 10s 6m 10M (14(60)03 Istanbul)	15/04 41°02'36.0"N 29°02'29.0"E			(continued on next page)
55103	2Ed. 4/6/96 LAST NM 13/04 Relocate Buoy "5" from 44°36'39.7"N 33°35'32.0"E to (50(8275)03 St. Petersburg)	15/04 44°36'40.7"N 33°35'30.0"E			

SECTION I

62434	(Continued)				
	Note from Subsection I-2 (See 40/02, 4/04, 12/04-62434) (NTM0006/2004)	29°40'00"N 48°18'30"E			
★62437	10Ed. 6/7/03 LAST NM 5/04	15/04			
Add	"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line with purple screen joining	30°01'36"N 48°09'18"E 30°00'36"N 48°11'12"E 29°59'57"N 48°10'43"E 30°00'55"N 48°08'49"E			
	"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°58'13"N 48°14'39"E 29°56'47"N 48°16'15"E 29°57'47"N 48°17'03"E 29°58'48"N 48°15'27"E			
	"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°57'55"N 48°14'12"E 29°56'36"N 48°15'54"E 29°56'07"N 48°15'17"E 29°56'16"N 48°14'27"E 29°56'48"N 48°13'54"E			
	"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line with purple screen joining	30°02'06"N 48°06'03"E 30°01'51"N 48°04'03"E 30°02'03"N 48°04'17"E 30°02'11"N 48°06'00"E			
	"MINE DANGER AREA (SEE NOTE)" bound by purple dashed line with purple screen joining	30°01'57"N 48°06'03"E 30°01'42"N 48°04'00"E 30°01'13"N 48°04'02"E 30°01'18"N 48°06'19"E			
	Note from Subsection I-2 (NTM0006/2004)	30°11'00"N 48°02'00"E			
62490	2Ed. 3/1/03 LAST NM 12/04	15/04			
Substitute	Note "MINE DANGER AREAS" from Subsection I-2 for same	25°05.0'N 49°15.0'E			
Add	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°40.0'N 48°35.2'E 29°40.0'N 48°37.4'E 29°39.0'N 48°37.4'E 29°39.0'N 48°38.0'E 29°38.0'N 48°38.0'E 29°38.0'N 48°33.4'E			
	"MDA (SEE NOTE)" bound by purple dashed-line greater arc of a circle, radius 1 mile, centered	29°40.8'N 48°48.5'E 29°41.7'N 48°48.0'E 29°39.8'N 48°48.0'E			
	thence a purple dashed line between	29°39.8'N 48°48.0'E 29°40.3'N 48°48.0'E			
	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°47.9'N 48°48.0'E 29°51.5'N 48°48.1'E 29°51.7'N 48°45.6'E 29°47.0'N 48°42.0'E 29°45.0'N 48°40.0'E 29°42.0'N 48°44.1'E 29°43.0'N 48°44.8'E 29°45.0'N 48°44.2'E 29°45.0'N 48°43.0'E 29°47.0'N 48°43.0'E 29°47.0'N 48°48.0'E 29°46.1'N 48°48.0'E			
	thence a purple dashed-line greater arc of a circle, radius 1 mile, centered	29°47.0'N 48°48.5'E 29°46.1'N 48°48.0'E 29°47.9'N 48°48.0'E			
	(See 12/04-62490) (NTM0006/2004)				
62540	6Ed. 1/26/02 LAST NM 12/04	15/04			
Change	Line 3 of MINE DANGER AREAS note to "Danger Areas and floating mines can be encountered"	28°28.0'N 47°55.0'E			
Add	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°40.0'N 48°35.2'E 29°40.0'N 48°37.4'E 29°39.0'N 48°37.4'E 29°39.0'N 48°38.0'E 29°38.0'N 48°38.0'E 29°38.0'N 48°33.4'E			
	"MDA (SEE NOTE)" bound by purple dashed-line greater arc of a circle, radius 1 mile, centered	29°40.8'N 48°48.5'E 29°41.7'N 48°48.0'E 29°39.8'N 48°48.0'E			
	thence a purple dashed line between	29°39.8'N 48°48.0'E 29°40.3'N 48°48.0'E			
	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°47.9'N 48°48.0'E 29°51.5'N 48°48.1'E 29°51.7'N 48°45.6'E 29°47.0'N 48°42.0'E 29°45.0'N 48°40.0'E 29°42.0'N 48°44.1'E 29°43.0'N 48°44.8'E 29°43.0'N 48°44.2'E 29°45.0'N 48°44.2'E 29°45.0'N 48°43.0'E 29°47.0'N 48°43.0'E 29°47.0'N 48°48.0'E 29°46.1'N 48°48.0'E			
	thence a purple dashed-line greater arc of a circle, radius 1 mile, centered	29°47.0'N 48°48.5'E 29°46.1'N 48°48.0'E 29°47.9'N 48°48.0'E			
	(See 12/04-62540) (NTM0006/2004)				
62541	3Ed. 1/26/02 LAST NM N12/04	N15/04			
Change	Line 3 of MINE DANGER AREAS note to "Danger Areas and floating mines can be encountered"	28°28.0'N 47°55.0'E			
Add	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°40.0'N 48°35.2'E 29°40.0'N 48°37.4'E 29°39.0'N 48°37.4'E 29°39.0'N 48°38.0'E 29°38.0'N 48°38.0'E 29°38.0'N 48°33.4'E			
	"MDA (SEE NOTE)" bound by purple dashed-line greater arc of a circle, radius 1 mile, centered	29°40.8'N 48°48.5'E 29°41.7'N 48°48.0'E 29°39.8'N 48°48.0'E			
	thence a purple dashed line between	29°39.8'N 48°48.0'E 29°40.3'N 48°48.0'E			
	"MDA (SEE NOTE)" bound by purple dashed line with purple screen joining	29°47.9'N 48°48.0'E 29°51.5'N 48°48.1'E 29°51.7'N 48°45.6'E 29°47.0'N 48°42.0'E 29°45.0'N 48°40.0'E 29°42.0'N 48°44.1'E 29°43.0'N 48°44.8'E 29°43.0'N 48°44.2'E 29°45.0'N 48°44.2'E 29°45.0'N 48°43.0'E 29°47.0'N 48°43.0'E 29°47.0'N 48°48.0'E 29°46.1'N 48°48.0'E			
	thence a purple dashed-line greater arc of a circle, radius 1 mile, centered	29°47.0'N 48°48.5'E 29°46.1'N 48°48.0'E 29°47.9'N 48°48.0'E			
	(See N12/04-62541) (NTM0006/2004)				
62570	4Ed. 1/26/02 LAST NM 12/04	15/04			
Delete	Legend "CAUTION NO 1" (See 12/04-62570)	29°39'30"N 48°37'30"E			

(continued on next page)

SECTION I

NM 15/04

62570 (Continued)			
Change	Line 3 of MINE DANGER AREAS note to “Danger Areas and floating mines can be encountered”	28°34'00"N 48°07'00"E	29°46'06"N 48°48'00"E thence a purple dashed-line greater arc of a circle, radius 1 mile, centered 29°47'00"N 48°48'27"E 29°46'06"N 48°48'00"E 29°47'54"N 48°48'00"E
Add	“MINE DANGER AREA (SEE NOTE)” bound by purple dashed line joining	29°40'00"N 48°35'12"E 29°40'00"N 48°37'24"E 29°39'00"N 48°37'24"E 29°39'00"N 48°38'00"E 29°38'00"N 48°38'00"E 29°38'00"N 48°33'21"E	(NTM0006/2004)
	“MDA (SEE NOTE)” bound by purple dashed-line greater arc of a circle, radius 1 mile, centered arc between	29°40'48"N 48°48'30"E 29°41'42"N 48°48'00"E 29°39'50"N 48°48'00"E	62591 3Ed. 5/29/99 LAST NM N12/04 N15/04 Change Caution No. 1 of CAUTIONS note in upper right margin to “1. Mariners are warned that a greater mine threat exists within the Mine Danger Areas (2003). No swept routes have been established within the Mine Danger Areas shown on this chart. Additionally, drifting mines may be encountered anywhere.” (See N12/04-62591)
	thence a purple dashed line between	29°39'50"N 48°48'00"E 29°40'18"N 48°48'00"E	Add “MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining
	“MINE DANGER AREA (SEE NOTE)” bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E 29°46'06"N 48°48'00"E	29°40'00"N 48°35'12"E 29°40'00"N 48°37'24"E 29°39'00"N 48°37'24"E 29°39'00"N 48°38'00"E 29°38'00"N 48°38'00"E 29°38'00"N 48°33'21"E
	thence a purple dashed-line greater arc of a circle, radius 1 mile, centered arc between	29°47'00"N 48°48'27"E 29°46'06"N 48°48'00"E 29°47'54"N 48°48'00"E	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed-line greater arc of a circle, radius 1 mile, centered arc between
	Legend “CAUTION NO 1”	29°41'00"N 48°40'00"E	29°39'50"N 48°48'00"E 29°40'18"N 48°48'00"E
	(NTM0006/2004)		“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining
62590	2Ed. 5/29/99 LAST NM 12/04 Change	15/04 Caution No. 1 of CAUTIONS note in upper right margin to “1. Mariners are warned that a greater mine threat exists within the Mine Danger Areas (2003). No swept routes have been established within the Mine Danger Areas shown on this chart. Additionally, drifting mines may be encountered anywhere.” (See 12/04-62590)	29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E 29°46'06"N 48°48'00"E
Add	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°40'00"N 48°35'12"E 29°40'00"N 48°37'24"E 29°39'00"N 48°37'24"E 29°39'00"N 48°38'00"E 29°38'00"N 48°38'00"E 29°38'00"N 48°33'21"E	thence a purple dashed-line greater arc of a circle, radius 1 mile, centered arc between
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed-line greater arc of a circle, radius 1 mile, centered arc between	29°40'48"N 48°48'30"E 29°41'42"N 48°48'00"E 29°39'50"N 48°48'00"E	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E 29°46'06"N 48°48'00"E
	thence a purple dashed line between	29°39'50"N 48°48'00"E 29°40'18"N 48°48'00"E	(2(17)04 Singapore)
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E	71241 10Ed. 9/12/98 LAST NM 20/03 15/04 Add Submarine pipeline [L40.1] joining 1°06'39"N 103°45'14"E 1°07'01"N 103°46'49"E 1°07'00"N 103°47'05"E 1°06'51"N 103°47'18"E 1°06'31"N 103°47'29"E
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°39'50"N 48°48'00"E 29°40'18"N 48°48'00"E	(2(21)04 Singapore)
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E	71247 18Ed. 7/10/99 LAST NM 12/04 15/04 Add Depth 4.4 meters Obstn [K41] 1°17'33.6"N 103°54'37.2"E (2(21)04 Singapore)
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E	71257 2Ed. 6/29/96 LAST NM 14/04 15/04 Add Submarine pipeline [L40.1] with legend “Gas CAUTION NO 8” joining 1°06'39"N 103°45'14"E 1°07'01"N 103°46'49"E 1°07'00"N 103°47'05"E 1°06'51"N 103°47'18"E 1°06'31"N 103°47'29"E
	“MINE DANGER AREA (CAUTION NO 1)” bound by purple dashed line joining	29°47'54"N 48°48'00"E 29°51'30"N 48°48'06"E 29°51'42"N 48°45'36"E 29°47'00"N 48°42'00"E 29°45'00"N 48°40'00"E 29°42'00"N 48°44'07"E 29°43'00"N 48°44'45"E 29°45'00"N 48°44'12"E 29°45'00"N 48°43'00"E 29°47'00"N 48°43'00"E 29°47'00"N 48°48'00"E	Depth 4.4 meters Obstn [K41] 1°17'34"N 103°54'37"E Buoy “Balok” Y, pillar, Fl Y 2s 1°10'07"N 103°43'16"E
	Pilot station symbol [T1.2] with legend “Gusong Boarding Ground”		Pilot station symbol [T1.2] with legend “Gusong Boarding Ground” 1°10'28"N 103°46'53"E (2(17-19, 21)04 Singapore)

SECTION I

71258	2Ed. 8/10/96 LAST NM 14/04 Add Submarine pipeline [L40.1] with legend "Gas CAUTION NO 8" joining	15/04 1°06'39"N 103°45'14"E 1°07'01"N 103°46'49"E 1°07'00"N 103°47'05"E 1°06'51"N 103°47'18"E 1°06'31"N 103°47'29"E	74270	3Ed. 8/5/95 LAST NM 10/04 Substitute Depth 7.5 meters for 8.8 meters (5(139)00 Wollongong)	15/04 14°36.7'S 145°27.9'E	
	Buoy "Balok" Y, pillar, Fl Y 2s	1°10'07"N 103°43'16"E	74272	7Ed. 8/23/97 LAST NM 9/04 Substitute Depth 15.1 meters for 15.3 meters "Rep (1999)" (6(175)00 Wollongong)	15/04 12°43'49"S 143°33'04"E	
	Pilot station symbol [T1.2] with legend "Gusong Boarding Ground" (2(17-19)04 Singapore)	1°10'28"N 103°46'53"E	74273	5Ed. 8/23/97 LAST NM 10/04 Substitute Depth 7.5 meters for 8.8 meters (5(139)00 Wollongong)	15/04 14°36'40"S 145°27'51"E	
71259	3Ed. 1/18/03 LAST NM 14/04 Add Depth 4.4 meters Obstn [K41] (2(21)04 Singapore)	15/04 1°17'34"N 103°54'37"E	74290	11Ed. 9/6/97 LAST NM 50/03 Delete Depth 16.4 meters	15/04 10°27.7'S 141°32.5'E	
71265	3Ed. 6/8/02 LAST NM 14/04 Add Pilot station symbol [T1.1] (2(19)04 Singapore)	15/04 1°10'28"N 103°46'53"E		Depth 3.5 meters, blue tint and enclosing depth contour (5-meter) centered	10°16.6'S 141°32.3'E	
74005	2Ed. 4/8/95 LAST NM 38/03 Delete Depth 3.5 meters Depth 3 meters "Rep (1911)" Legend "(1957)"	15/04 10°16.6'S 141°33.0'E 10°24.4'S 141°33.3'E 10°18.0'S 141°38.0'E		Depth 5.5 meters, enclosing depth contour (10-meter) and legend "Rep (1957)" in vicinity	10°16.7'S 141°33.5'E	
	Add Depth 3.3 meters enclosed by depth contour (10-meter) Depth 4.7 meters enclosed by depth contour (10-meter) Depth 2.8 meters enclosed by depth contour (10-meter)	10°27.5'S 141°33.2'E 10°18.2'S 141°31.3'E 10°16.1'S 141°31.1'E		Depth 3 meters, blue tint, enclosing depth contour (5-meter) and legend "Rep (1911)" in vicinity	10°24.3'S 141°33.3'E	
	Depth 4.6 meters Depth 1.8 meters Depth 1.4 meters Depth 1.7 meters	10°22.3'S 143°33.3'E 10°21.5'S 143°35.6'E 10°19.9'S 143°40.6'E 10°20.1'S 143°46.1'E	Add	Depth 3.3 meters, blue tint and enclosing depth contour (5-meter) centered Depth 3.8 meters, blue tint and enclosing depth contour (5-meter) centered Depth 2.8 meters, blue tint and enclosing depth contour (5-meter) centered Depth 4.7 meters, blue tint and enclosing depth contour (5-meter) centered	10°27.5'S 141°33.1'E 10°27.4'S 141°34.6'E 10°16.1'S 141°31.2'E 10°18.2'S 141°31.3'E	
	(5(142), 6(176, 180)00 Wollongong)			Depth 4.6 meters Depth 2.8 meters Depth 1.8 meters Depth 6.5 meters Depth 1.6 meters	10°22.3'S 143°33.3'E 10°21.5'S 143°34.2'E 10°21.5'S 143°35.6'E 10°22.8'S 143°36.1'E 10°19.8'S 143°39.2'E	
74008	6Ed. 12/9/94 LAST NM 51/02 Delete Depth 3.5 meters Depth 3 meters "Rep (1911)" Legend "(1957)"	15/04 10°16.5'S 141°32.4'E 10°24.4'S 141°33.3'E 10°18.5'S 141°40.0'E		Depth 1.4 meters, blue tint and enclosing depth contour (5-meter) centered Depth 1.7 meters, blue tint and enclosing depth contour (5-meter) centered	10°19.9'S 143°40.6'E 10°20.1'S 143°46.1'E	
	Add Depth 2.8 meters enclosed by depth contour (10-meter) Depth 3.3 meters enclosed by depth contour (10-meter)	10°16.1'S 141°31.1'E 10°27.5'S 141°33.2'E		(5(142), 6(176, 180)00 Wollongong)		
74220	8Ed. 3/7/98 LAST NM 11/04 Add Submarine cable (power) [L31.1] joining	15/04 20°16.6'S 148°47.3'E 20°12.2'S 148°48.2'E 20°03.6'S 148°52.1'E 20°03.5'S 148°52.8'E	74296	4Ed. 4/17/99 LAST NM 52/03 Delete Depth 3 meters, blue tint, enclosing depth contour (5-meter) and legend "Rep (1911)" in vicinity	15/04 10°24.4'S 141°33.3'E	
	(5(137)00 Wollongong)			(6(180)00 Wollongong)		
74230	7Ed. 8/26/95 LAST NM 12/04 Add Submarine cable (power) [L31.1] joining	15/04 20°16.6'S 148°47.3'E 20°12.2'S 148°48.2'E 20°03.6'S 148°52.1'E 20°03.5'S 148°52.8'E	74560	10Ed. 7/18/98 LAST NM 32/03 Delete Depth 25 meters	15/04 28°43.9'S 114°32.7'E	
	(5(137)00 Wollongong)			Add	Anchor berth [N11.2], radius 0.5 mile, centered Anchor berth [N11.2], radius 0.5 mile, centered Anchor berth [N11.2], radius 0.5 mile, centered Anchor berth [N11.2], radius 0.5 mile, centered	28°44.7'S 114°31.0'E 28°43.6'S 114°31.3'E 28°42.7'S 114°31.7'E 28°41.8'S 114°33.2'E
74251	8Ed. 5/3/97 LAST NM 21/03 Relocate Light from 17°13'03"S 145°58'09"E to (5(138)00 Wollongong)	15/04 17°13'20"S 145°58'05"E		(Plan A) Add Anchor berth "S1" [N11.2], radius 0.5 mile, centered Anchor berth "N1" [N11.2], radius 0.5 mile, centered Anchor berth "N3" [N11.2], radius 0.5 mile, centered Anchor berth "N5" [N11.2], radius 0.5 mile, centered	28°46'48.0"S 114°32'18.0"E 28°44'48.0"S 114°32'09.0"E 28°43'46.8"S 114°32'34.8"E 28°42'48.0"S 114°32'48.0"E	
				(5(144)00 Wollongong)		
74253	6Ed. 5/10/97 LAST NM 13/04 Relocate Light from 17°13'06"S 145°58'09"E to (5(138)00 Wollongong)	15/04 17°13'20"S 145°58'05"E	82253	7Ed. 10/4/97 LAST NM 39/03 Add Legend "CAUTION NO 3"	15/04 6°37.0'S 156°35.0'E	
				Caution No. 3 to CAUTIONS note "3. Beacons are subject to cyclonic and other damage and may take considerable time to replace or repair."	8°30.0'S 155°30.0'E	
74265	2Ed. 7/12/97 LAST NM 13/04 Substitute Depth 7.5 for 8.8 meters (5(139)00 Wollongong)	15/04 14°36.7'S 145°27.9'E		(11(1198)04 Taunton)		

SECTION I

NM 15/04

94004	6Ed. 9/2/95 LAST NM 6/04 Add Wreck [K29] (6/04 Tso-ying)	15/04 22°05.0'N 120°12.0'E	96036	2Ed. 7/27/85 LAST NM 36/03 Delete R Bn R Bn (34(5550, 5551)03 St. Petersburg)	15/04 64°24.2'N 172°15.0'W 64°20.2'N 173°34.5'W
94080	7Ed. 9/23/95 LAST NM 51/03 Add Fish haven area with blue tint [K46.1] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 22°26.0'N 120°18.0'E Fish haven area (auth min depth 50 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 22°20.6'N 120°03.8'E Fish haven area (auth min depth 55 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 22°36.4'N 120°27.7'E Fish haven area (auth min depth 45 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 22°39.2'N 120°26.1'E Wreck [K29] (50, 60, 61/03, 6/04 Tso-ying)	15/04 22°26.0'N 120°18.0'E 22°20.6'N 120°03.8'E 22°36.4'N 120°27.7'E 22°39.2'N 120°26.1'E 22°05.0'N 120°12.0'E	96039	7Ed. 7/8/95 LAST NM 8/04 Add Dangerous wreck [K28] (PA) (39(6304)03 St. Petersburg)	15/04 42°20.7'N 130°48.0'E
94082	8Ed. 2/26/00 LAST NM 51/03 Add Fish haven area with blue tint [K46.1] bound by dotted-line circle (limiting danger line), radius 1000 meters, centered 22°26'00"N 120°18'00"E Fish haven area (auth min depth 50 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 900 meters, centered 22°20'37"N 120°03'51"E (50, 61/03 Tso-ying)	15/04 22°26'00"N 120°18'00"E 22°20'37"N 120°03'51"E	96640	5Ed. 1/14/95 LAST NM 6/02 Delete R Bn R Bn R Bn (See 6/02-96640) (34(5550-5552)03 St. Petersburg)	15/04 64°24.3'N 172°15.0'W 64°20.4'N 173°34.3'W 64°25.3'N 173°15.2'W
94083	12Ed. 1/15/00 LAST NM 44/02 Add Buoys (2) YR, pillar (70/03 Tso-ying)	15/04 22°30'22"N 120°19'35"E	96645	1Ed. 1/16/88 LAST NM 26/02 Delete R Bn R Bn (34(5551, 5552)03 St. Petersburg)	15/04 64°20'15"N 173°34'45"W 64°25'06"N 173°15'00"W
94120	6Ed. 9/9/95 LAST NM 21/03 Add Fish haven area (auth min depth 35 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 25°25.5'N 122°10.8'E (62/03 Tso-ying)	15/04 25°25.5'N 122°10.8'E	*97233	12Ed. 12/27/03 NEW EDITION Change Visibility (range) of beacon to 7M (NGA; 50(1845)03 Tokyo)	15/04 34°25'07"N 134°08'00"E
94363	4Ed. 11/21/92 LAST NM 29/03 Relocate Buoy "l" from 38°56'48"N 117°55'30"E to 38°56'40"N 117°55'56"E Buoy "B10" from 38°56'42"N 117°56'46"E to 38°56'28"N 117°57'22"E	15/04 38°56'40"N 117°55'56"E 38°56'28"N 117°57'22"E	97480	7Ed. 6/1/96 LAST NM 21/03 Add Fish haven area (auth min depth 35 meters) with blue tint [K46.2] bound by dotted-line circle (limiting danger line), radius 0.5 mile, centered 25°25.5'N 122°10.8'E (62/03 Tso-ying)	15/04 25°25.5'N 122°10.8'E
Substitute	Beacon "B7" G, cone topmark, Fl G 4s for buoy "B7" 38°56'22"N 118°00'01"E Beacon "B8" R, can topmark, Fl R 4s for buoy "B8" 38°56'06"N 118°00'30"E Beacon "B9" G, cone topmark, Fl(2) G 6s for buoy "B9" 38°56'30"N 117°58'48"E (See 16/03-94363)				
(Plan)					
Relocate	Beacon "3" from 38°56'55.1"N 117°54'11.2"E to 38°56'51.7"N 117°54'33.2"E and change characteristic to Fl(2) R 6s				
	Buoy "8" from 38°57'39.0"N 117°51'49.0"E to 38°57'31.7"N 117°51'46.0"E Buoy "11" from 38°57'53.0"N 117°51'17.7"E to 38°57'43.4"N 117°49'13.7"E Buoy "15" from 38°58'30.0"N 117°45'26.0"E to 38°58'33.0"N 117°45'18.5"E (See 42/01, 29/03-94363)				
	(46(827)02, 36(748)03, 1(7, 8)04 Tianjin)				
95243	4Ed. 6/18/94 LAST NM 47/99 Add Dangerous wreck [K28] (PA) (39(6304)03 St. Petersburg)	15/04 42°20'42"N 130°48'00"E	★95267	6Ed. 12/27/03 NEW EDITION (NGA)	15/04
★95274	4Ed. 1/10/04 NEW EDITION Add Danger circle "Obstn" [K40] (NGA; 2(40)04 Tokyo)	15/04 37°57'00"N 139°02'12"E			

SECTION I

NM 15/04

Chart 11441

NM 15/04

KEY WEST HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001 AND SURVEYS TO NOV 2001					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
MAIN CHANNEL RANGE	33.6	33.6	33.2	11-01	300 2.68 34
CUT A RANGE	32.3	33.1	32.0	11-01	800 1.03 34
CUT B RANGE	A34.7	34.8	33.0	11-01	800-300 1.16 34
THENCE TO BUOY 23	34.0	33.2	B33.2	11-01	300 .75 34
BUOY 23 TO TURNING BASIN	30.2	30.7	31.8	11-01	300 .24 30
KEY WEST BIGHT CHANNEL	18.2	C,E16.1	D14.8	11-01	150 .50 12

A. CORAL HEAD LOCATED WITH A DEPTH OF 32 FEET, LOCATED AT 24°31'46.6"N; 81°48'58.7"W.
 B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'30.9"N; 81°48'35.3"W.
 C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°33'47.2"N; 81°48'18.8"W.
 D. OBSTRUCTION LOCATED WITH A DEPTH OF 25 FEET, LOCATED AT 24°33'44.7"N; 81°48'26.2"W.
 E. OBSTRUCTION LOCATED WITH A DEPTH OF 13 FEET, LOCATED AT 24°33'49.4"N; 81°47'58.6"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11477

NM N15/04

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2003 AND SURVEYS TO SEP 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY
OUTER REACH	43.3	43.9	43.5	42.9	8-03
MIDDLE REACH	40.0	43.7	39.8	33.9	9-03
INNER REACH	37.8	41.6	40.9	37.8	4-03

A. U.S. NAVY PROJECT - EXCEEDS CORPS OF ENGINEERS PROJECT DEPTH OF 11.3 METERS
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 15/04

Chart 12313

NM 15/04

SCHUYLKILL RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT SCHUYLKILL RIVER DATUM				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
1	31.6	32.2	34.6	7-10-03	400	0.32
2	32.4	32.2	32.5	10-03	400	0.34
3	33.0	33.0	32.4	10-03	400	0.18
4	32.9	32.2	32.2	10-03	400	0.11
5	32.7	32.5	32.1	10-03	300	0.30
6	32.8	32.7	32.2	11-03	325	0.21
7	32.1	32.0	31.0	11-03	300	0.31
8	32.3	31.6	31.5	11-03	300	0.15
9	31.5	30.7	29.5	11-03	300	0.31
10	32.7	34.4	32.3	12-03	325	0.09
11	32.8	32.7	34.3	12-03	350	0.05
12	33.3	32.6	32.9	12-03	350	0.05
13	33.0	32.4	32.1	12-03	325	0.07
14	32.1	32.5	32.4	12-03	300	0.14
15	32.4	32.4	33.3	12-03	325	0.08
16	31.2	32.3	32.6	12-03	350	0.08
17	31.3	32.2	28.9	12-03	325	0.06
18	21.0	26.1	28.3	12-03	300	0.45
19	19.1	30.8	26.8	12-03	200	0.08
20	27.3	33.1	27.5	11-02	250	0.05
21	28.9	22.7	18.4	11-02	250	0.04
22	26.5	22.3	17.8	11-02	250	0.06
23	23.9	16.7	13.6	11-02	200	0.21
24	29.5	23.2	14.5	11-02	250	0.06
25	28.6	19.2	11.7	11-02	250	0.09
26	28.0	17.0	10.4	11-02	250	0.09
27	24.8	17.1	11.0	11-02	225	0.12
28	20.0	14.4	12.1	11-02	200	0.10
29	14.0	14.4	12.4	4-11-02	200	0.23
30	14.1	15.3	16.8	4-02	200	0.30
31	23.8	18.3	16.3	4-02	200	0.10
32	20.7	17.8	14.3	4-02	200	0.26
33	24.5	12.5	10.7	4-02	200	0.10
34	20.4	18.1	13.7	4-02	250	0.07
35	23.9	17.1	12.8	4-02	250	0.06
36	23.1	16.4	13.4	4-02	250	0.08
37	20.8	22.5	19.6	4-02	250	0.06
38	14.5	14.7	16.4	4-02	225	0.13

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

Chart 14848 (Left Panel)

NM 15/04

DETROIT RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2003						
CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (MILES) DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800 4.7 28.5
BALLARDS REEF CHANNEL	18.3	27.9	27.9	22.9A	4-97;4-99;7-00;7-02;5-03	600 3.5 28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	26.9	27.5	21.0C	5-96; 6,7-00; 6-02; 5-03	450 3.1 27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	13.8	27.9	27.9	20.3	6-02; 5-03	450 1.7 27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'08"N 83°08'05"W	18.7	26.5	27.5	23.3	5-03	450-800 1.1 27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'05"W TO LT "D30"	24.2	27.5	27.9	24.6	5-03	800 1.7 28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D56"	25.2D	24.2	18.0	18.0	5-03	600 2.4 RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D56" TO LT "D30"	26.9E	22.3	19.7	19.0	4-03	400-700 4.5 RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°00'20"N 83°08'25"W	22.6	28.2	28.5	20.6	7-96; 5-03	1200 1.5 29.0
EAST OUTER CHANNEL	23.8	27.0	27.6	23.6	5-91; 6-99	1200 7.5 28.5
WEST OUTER CHANNEL	F	F	F	F	1987	800 4 22.0
A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER E. SHOALING TO 18.3 FEET IN THE INSIDE 40 FEET OF QUARTER F. NOT SURVEYED RECENTLY						
NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS						

Chart 14852

NM 15/04

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.0	26.9	25.6	17.4	9-96; 4,5,7-02	700 5.3 27
SOUTHEAST BEND	27.1	27.1	27.1	26.2	10-94; 6-97; 7-02	700 1.0 27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	26.6	25.3A	7-94; 6-97; 7-02	700-1000 4.3 27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.2	26.9E	8,9-93; 6-97; 7-02	1000 3.6 27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000 4.3 27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 8-03	900-1000 4.3 27
STAG I. TO SARNIA	20.7D	27.4	26.9	25.5F	9,10-96; 5,6-99; 8-03	1000-1400 7.9 27
A. SHOALING TO 17.1 FEET IN OUTSIDE 40 FEET OF QUARTER. B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W. C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.6 FEET AT 42°49'43.3"N, 82°29'00.5"W. D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W. E. SHOALING TO 9.5 FEET IN OUTSIDE 50 FEET OF QUARTER. F. SHOALING TO 22.6 FEET IN OUTSIDE 100 FEET OF QUARTER.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 14853 (Page 1)

NM 15/04

DETROIT RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2003						
CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (MILES) DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800 4.7 28.5
BALLARDS REEF CHANNEL	18.3	27.9	27.9	22.9A	4-97;4-99;7-00;7-02;5-03	600 3.5 28.5
LIVINGSTONE CHANNEL FROM LT 'D77' TO 42°05'35"N 83°07'45"W	21.7B	26.9	27.5	21.0C	5-96; 6-7-00; 6-02; 5-03	450 3.1 27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	13.8	27.9	27.9	20.3	6-02; 5-03	450 1.7 27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'08"N 83°08'05"W	18.7	26.5	27.5	23.3	5-03	450-800 1.1 27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'05"W TO LT 'D30'	24.2	27.5	27.9	24.6	5-03	800 1.7 28.5
AMHERSTBURG CHANNEL FROM LT 'D71' TO LT BUOY 'D56'	25.2D	24.2	18.0	18.0	5-03	600 2.4 RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY 'D56' TO LT 'D30'	26.9E	22.3	19.7	19.0	4-03	400-700 4.5 RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT 'D30' TO 42°00'20"N 83°08'25"W	22.6	28.2	28.5	20.6	7-96; 5-03	1200 1.5 29.0
A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER E. SHOALING TO 18.3 FEET IN THE INSIDE 40 FEET OF QUARTER						
NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS						

Chart 14853 (Page 37)

NM 15/04

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.0	26.9	25.6	17.4	9-96; 4-5,7-02	700 5.3 27
SOUTHEAST BEND	27.1	27.1	27.1	26.2	10-94; 6-97; 7-02	700 1.0 27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	26.6	25.3A	7-94; 6-97; 7-02	700-1000 4.3 27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.2	26.9E	8,9-93; 6-97; 7-02	1000 3.6 27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000 4.3 27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 8-03	900-1000 4.3 27
STAG I. TO SARNIA	20.7D	27.4	26.9	25.5F	9,10-96; 5,6-99; 8-03	1000-1400 7.9 27
A. SHOALING TO 17.1 FEET IN OUTSIDE 40 FEET OF QUARTER. B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W. C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W. D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.6 FEET AT 42°58'17.2"N, 82°25'09.4"W. E. SHOALING TO 9.5 FEET IN OUTSIDE 50 FEET OF QUARTER. F. SHOALING TO 22.6 FEET IN OUTSIDE 100 FEET OF QUARTER.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 14854

NM 15/04

DETROIT RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2003						
CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (MILES) DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800 4.7 28.5
BALLARDS REEF CHANNEL	18.3	27.9	27.9	22.9A	4-97;4-99;7-00;7-02;5-03	600 3.5 28.5
A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER. NOTE: CONSULT THE US ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS						

SECTION I

Chart 18526

NM 15/04

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH (CRD FEET)
MORGAN CHANNEL	46	44	42	41	11-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	51	11-03	500	1.0	40
VANCOUVER RANGE	40	42	42	41	11-03	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	38	11-03	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	31	11-03	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	26	26	23	11-03	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18531 (Lower Panel)

NM 15/04

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH (CRD FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	17	18	17	10-03	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	14	17	16	10-03	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	15	16	16	10-03	300	1.6	27
FISHER QUARRY CHANNEL RANGE	29	26	21	10-03	300	1.0	27
GOVERNMENT ISLAND RANGE	25	29	26	10-03	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	23	10-03	300	0.8	27
LADY ISLAND RANGE	19	21	24	10-03	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	30	20	10-03	300	0.9	27
WASHOUGAL LOWER RANGE	22	28	30	10-03	300	1.5	27
WASHOUGAL UPPER RANGE	18	29	29	10-03	300	1.1	27
GARY ISLAND RANGE	17	17	17	10-03	300	0.9	27
REED ISLAND RANGE	17	17	15	10-03	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 15/04

Chart 62434

NM 15/04

MINE DANGER AREAS

Mariners are warned that a greater mine threat exists within the Mine Danger Areas (2003). No swept routes have been established within the Mine Danger Areas shown on this chart. Additionally, drifting mines may be encountered anywhere.

Chart 62437

NM 15/04

MINE DANGER AREAS

Mariners are warned that a greater mine threat exists within the Mine Danger Areas (2003). No swept routes have been established within the Mine Danger Areas shown on this chart. Additionally, drifting mines may be encountered anywhere.

Chart 62490

NM 15/04

MINE DANGER AREAS

Mariners are warned that a greater mine threat exists within the Mine Danger Areas (2003). No swept routes have been established within the Mine Danger Areas shown on this chart. Additionally, drifting mines may be encountered anywhere.

SECTION I**NM 15/04****CHARTS AFFECTED BY NOTICE TO MARINERS
NM 3/03 THROUGH NM 15/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.
97343	12	17,25/03;9/04
97345	2	50/03
97360	6	5.7,13,18,27,43,45,47/03
97380	7	8,16,23,38,40,45/03
97381	7	7,13,27,43,45/03
97382	2	4,42/03
97383	16	5,7,13,42,46,47/03
97384	4	19/03
97385	10	5,6,7,9,46,47/03
97387	2	4,5,7,42,46/03;10/04
97389	2	45*,47/03
97390	5	5,12,16,36/03;7/04
97391	26	6,7,12,16/03
97392	5	21,23,26,33,38/03
97396	14	16,17,23,33,38/03;2/04
97397	7	16,26,44,49/03
97398	4	43/03*
97400	4	34*,44,49/03
97410	9	50/03*;2/04
97412	7	47/03
97420	17	8,10,33,38,40,45/03;1,13,14/04
97421	13	10,13,20,26,36/03
97423	2	13,20,26,36/03;10/04
97425	6	6,8,10,45/03;1,2/04
97440	8	16,19,27,43,47/03;9/04
97441	5	47/03;14/04
97443	6	15,19,25,47/03
97460	7	5,19,21,47/03;9/04
97461	9	5,8,19,21,22,23,26/03;9/04
97465	9	6,8,19,20,22,33,37/03;6,12/04
97466	2	23,27/03
97469	10	6,8,19,20,22,33,37/03;6,12/04
97471	5	N22,N33/03;N6,N10,N12/04
97472	8	33/03
97474	7	22/03
97480	7	3,9,10,17,18,21/03;15/04
97481	6	9,18,20/03
97483	7	20/03;11/04
97521	6	16,18,20/03
97564	3	16/03
800669	8	N1/04
800744	1	N5,N12,N13,N16,N36,N47,N50/03;N10/04
801217	1	N6,N8,N19,N20,N22,N33,N37/03;N6,N12/04
801885	3	N34/03
801902	9	N25,N31/03;N14/04
801953	1	N39,N52/03
802202	8	N7/03
802260	5	N1/04
803404	2	N8/04
804059	2	N43/03
804567	4	N31/03;N9/04
805118	3	N12,N36/03;N12/04
805647	2	N30/03;N8,N13/04
806927	8	N25,N30,N39/03
807370	5	N17,N25,N30,N31,N39/03;N14/04
807861	2	N22/03
808365	2	N14/03
809055	7	N16/03
809679	2	N12,N27/03

SECTION II

NM 15/04

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
	REGION 1							
11XHA11314 (7642014010220)	Carlos Bay to Redfish Bay including Copano Bay (Not shown on index)	40,000	<u>23</u>	<u>1/04</u>	NOS	1-94	15/04	
11XHA11326 (7642014010224)	Galveston Bay (Not shown on index)	80,000	<u>32</u>	<u>11/03</u>	NOS	1-94	15/04	
11AHA11416 (7642014627120)	Tampa Bay Insets: Tampa St. Petersburg Safety Harbor (Insets not shown on index)	40,000 20,000 20,000 80,000	<u>6</u>	<u>1/04</u>	NOS	1-94	15/04	
11XHA11428 (7642014010243)	Okeechobee Waterway-St. Lucie Inlet to Fort Myers and Lake Okeechobee (Not shown on index)	80,000	<u>33</u>	<u>1/04</u>	NOS	1-94	15/04	
11AHA11441 (7642014010146)	<u>Key West Harbor and Approaches</u>	30,000	<u>40</u>	<u>12/03</u>	NOS	1-16,94	15/04	
11ACO11460 (7642014010105)	Cape Canaveral to Key West (LORAN-C)	466,940	<u>39</u>	<u>12/03</u>	NOS	1-94	15/04	
12AHA12270 (7642014010325)	Eastern Bay and South River Inset: Selby Bay (Inset not shown on index)	40,000 20,000	<u>33</u>	<u>12/03</u>	NOS	1-95	15/04	
12XHA12324 (7642014010374)	Sandy Hook to Little Egg Harbor Insets: Shark River Manasquan Inlet Bay Head Harbor Tomes River (Not shown on index)	40,000 20,000 20,000 20,000 40,000	<u>31</u>	<u>1/04</u>	NOS	1-95	15/04	
13AHA13221 (7642014010413)	Narragansett Bay	40,000	<u>54</u>	<u>12/03</u>	NOS	1-95	15/04	
13ACO13230 (7642014010405)	Buzzards Bay Inset: Quicks Hole (Inset not shown on index)	40,000 20,000	<u>47</u>	<u>12/03</u>	NOS	1-95	15/04	
14XCO14820 (7642014010567)	<u>Lake Erie (LORAN-C)</u>	400,000	<u>20</u>	<u>1/04</u>	NOS	1-42,96	15/04	
14XCO14829 (7642014010576)	Geneva to Lorain (LORAN-C) Insets: Beaver Creek Rocky River Chagrin River Harbor Mentor Harbor (Insets not shown on index)	100,000 7,500 10,000 10,000 10,000	<u>6</u>	<u>12/03</u>	NOS	1-96	15/04	
14XCO14880 (7642014010581)	Straits of Mackinac (LORAN-C)	120,000	<u>31</u>	<u>5/03</u>	NOS	1-96	15/04	
14XHA14883 (7642014010686)	St Marys River	40,000	<u>43</u>	<u>1/04</u>	NOS	1-96	15/04	
14XHA14930 (7642014010696)	<u>St. Joseph and Benton Harbor</u>	10,000	<u>25</u>	<u>1/04</u>	NOS	1-43,96	15/04	

SECTION II

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
14XCO14966 (7642014010602)	Little Girls Point to Silver Bay (LORAN-C) Insets: Two Harbors, MN Port Wing, WI Cornucopia, WI Knife River, MN (Insets not shown on index)	120,000 10,000 5,000 5,000 5,000	<u>26</u>	<u>5/03</u>	NOS	1-96	15/04	
16XHA16085 (7642014011338)	Wainwright Inlet to Atanik	50,000	<u>6</u>	<u>12/03</u>	NOS	1-97	15/04	
16BCO16240 (7642014011266)	Cape Romanzof to St. Michael, Alaska (LORAN-C) Insets: St. Michael Bay Approaches to Cape Romanzof (Insets not shown on index)	300,000 40,000 100,000	<u>10</u>	<u>11/03</u>	NOS	1-8,97	15/04	
16AHA16665 (7642014014468)	Cook Inlet, Approaches to Anchorage Inset: Anchorage	50,000 20,000	<u>8</u>	<u>12/03</u>	NOS	1-97	15/04	
17BHA17384 (7642014011405)	Wrangell Harbor and Approaches Inset: Wrangell Harbor	20,000 10,000	<u>8</u>	<u>12/03</u>	NOS	1-98	15/04	
18BHA18526 (7642014011575)	Port of Portland Inset: Multnomah Channel-Southern Part (Inset not shown on index)	20,000 10,000	<u>56</u>	<u>12/03</u>	NOS	1-98	15/04	
18XHA18531 (7642014011617)	Columbia River-Vancouver to Bonneville Inset: Bonneville Dam (Inset not shown on index)	40,000 10,000	<u>21</u>	<u>12/03</u>	NOS	1-98	15/04	
18XHA18543 (7642014015228)	Columbia River, Pasco to Richland (Not shown on index)	20,000	<u>2</u>	<u>11/03</u>	NOS	1-98	15/04	
19BHA19342 (7642014011684)	Kahului Harbor and Approaches Inset: Kahului Harbor	30,000 10,000	<u>10</u>	<u>12/03</u>	NOS	1-99	15/04	
19BHA19348 (7642014011685)	Approaches to Lahaina	15,000	<u>8</u>	<u>12/03</u>	NOS	1-99	15/04	
REGION 2								
24AHA24224 (7642014939136)	<u>Porto de Suape and Approaches</u> 9° 11' 00"S 35° 27' 00"W 8° 20' 00"S 34° 45' 00"W Plan: <u>Porto de Suape</u> (Plan not shown on index)	<u>100,000</u> <u>20,000</u>	<u>1</u>	<u>12/03</u>	A	2-30,33, 63	15/04	
25ACO25641 (7642014012009)	Virgin Islands Inset: Krause Lagoon Channel	100,000 20,000	<u>27</u>	<u>1/04</u>	NOS	2-63	15/04	
REGION 9								
95ACO95267 (7642014014091)	<u>Fukui Ko to Wajima Ko</u>	200,000	<u>6</u>	<u>12/03</u>	A	9-26,43	15/04	
95ACO95274 (7642014014148)	<u>Sado Kaikyo and Approaches</u>	200,000	<u>4</u>	<u>1/04</u>	A	9-26,43	15/04	
97BHA97233 (7642014014363)	<u>Bisan Seto and Bingo Nada</u>	125,000	<u>12</u>	<u>12/03</u>	A	9-36,44	15/04	

SECTION II

NM 15/04

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 120 2 Ed 2001 LAST NM 14/04

Page 3—Lines 5 to 12/R; read:

The tables and graphics displayed below indicate details concerning the declared firing practice areas under Australian Army, Air Force, and Naval Forces Regulations.

Firing practice areas may be selected anywhere and details are published in the *Australian Government Gazette* and the *Designated Airspace Handbook*.

(Aus Annual Notice No. 9 of 2004)

15/04

Page 4—Line 4/R; read:

Department of Defense (Navy Office) from time to time. Warnings concerning firing practices are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF and are published by Airservices Australia on their website.

Airservices Australia Home Page
<http://www.airservicesaustralia.com/brief/areabrf.htm>

(4(139)04 Wollongong)

15/04

Page 9—Table; replace with below:

New table titled **Restricted and Danger Areas with Associated Airspace—New South Wales** from back of this Sub-section.

(Aus Annual Notice No. 9 of 2004)

15/04

Page 206—Line 1/L to Page 208—Line 16/L; read:

1. Army Controlled Area:

Area R-77—East coast—East of Geojin Hang.—

An area bound by the following points:

- a. 38°32'N, 128°25'E.
- b. 38°34'N, 128°31'E.
- c. 38°32'N, 128°32'E.
- d. 38°30'N, 128°31'E.

2. Navy Controlled Areas:

Area R-72—South coast—Southeast of Yokjido.—

An area bound by the following points:

- a. 34°18'N, 128°00'E.
- b. 34°18'N, 128°35'E.
- c. 34°00'N, 128°35'E.
- d. 34°00'N, 128°00'E.

Area R-99—South coast—Southeast of Geoje-do.—

An area bound by the following points:

- a. 34°45'N, 128°45'E.
- b. 34°48'N, 129°00'E.
- c. 34°37'N, 129°06'E.
- d. 34°20'N, 128°52'E.
- e. 34°20'N, 128°41'E.

Area R-100—South coast—Southwest of Pusan Hang.—

An area, 4 miles in radius, centered on position 34°53'N, 128°57'E.

Area R-115—East coast—Southwest of Ulluengdo.—

An area bound by the following points:

- a. 37°24'00"N, 129°45'00"E.
- b. 37°13'30"N, 131°00'00"E.
- c. 36°49'00"N, 131°00'00"E.

Area R-116—West coast—Southwest of Daecheong-do.—

An area, 4 miles in radius, centered on position 37°47'55"N, 124°39'33"E.

Area R-117—West coast—Northwest of Jaeundo.—

An area, 4 miles in radius, centered on position 34°42'30"N, 125°44'00"E.

Area R-118—South coast—East of Jejudo.—

An area bound by the following points:

- a. 34°00'N, 127°40'E.
- b. 34°00'N, 128°30'E.
- c. 33°10'N, 127°50'E.
- d. 33°10'N, 127°40'E.

Area R-119—East coast—East of Ulsan Hang.—

An area bound by the following points:

- a. 35°47'00"N, 129°40'05"E.
- b. 35°43'00"N, 130°12'12"E.
- c. 35°37'36"N, 130°12'12"E.
- d. 35°27'56"N, 129°51'48"E.
- e. 35°28'00"N, 129°40'05"E.

Area R-120—East Coast—Northeast of Yeong-il Man.—

An area bound by the following points:

- a. 36°44'N, 130°25'E.
- b. 36°25'N, 130°55'E.
- c. 36°17'N, 130°55'E.
- d. 36°02'N, 130°29'E.
- e. 36°02'N, 130°25'E.

Area R-121—East coast—East of Geojin Hang.—

An area bound by the following points:

- a. 38°25'N, 128°45'E.
- b. 38°25'N, 129°30'E.
- c. 38°10'N, 129°30'E.
- d. 38°10'N, 129°00'E.
- e. 38°17'N, 129°00'E.
- f. 38°17'N, 128°45'E.

Area R-123—West coast—West of Eocheongdo.—

An area bound by the following points:

- a. 36°00'N, 125°00'E.
- b. 36°00'N, 125°30'E.
- c. 35°35'N, 125°30'E.
- d. 35°35'N, 125°00'E.

PUB 120 (Continued)**Area R-124—West coast—Southwest of Deok-jeokdo.**—An area bound by the following points:

- a. 37°06'N, 125°42'E.
- b. 37°06'N, 126°10'E.
- c. 36°55'N, 125°57'E.
- d. 36°55'N, 125°42'E.

Area R-125.—West coast—Southwest of Daeheuk-sando.—An area, 5 miles in radius, centered on position 34°33'N, 125°21'E.**Area R-126—South coast—Southeast of Chuja Gundo.**—An area bound by the following points:

- a. 34°00'N, 125°48'E.
- b. 34°00'N, 126°00'E.
- c. 33°30'N, 126°00'E.
- d. 33°30'N, 125°48'E.

Area R-128—South coast—South of Seogwipo Hang.—An area bound by the following points:

- a. 33°00'N, 126°37'E.
- b. 32°40'N, 126°45'E.
- c. 32°40'N, 126°28'E.

Area R-131—West coast—Approaches to Baeng-yeongdo.—An area bound by the following points:

- a. 37°59'50"N, 124°21'25"E.
- b. 37°59'50"N, 124°38'10"E.
- c. 37°54'00"N, 124°38'10"E.
- d. 37°54'00"N, 124°21'25"E.

Area R-132—West coast—Southeast of Baeng-yeongdo.—An area bound by the following points:

- a. 37°57'00"N, 124°41'00"E.
- b. 37°57'00"N, 124°44'00"E.
- c. 37°45'00"N, 124°50'00"E.
- d. 37°45'00"N, 124°47'00"E.

Area R-133—West coast—Northwest of Chochido.—An area, 2 miles in radius, centered on position 37°22'20"N, 126°11'35"E.**Area R-134—West coast—Approaches to Yeon-yeongdo.**—An area bound by the following points:

- a. 37°38'40"N, 124°45'00"E.
- b. 37°42'00"N, 124°45'00"E.
- c. 37°42'00"N, 124°56'00"E.
- d. 37°37'30"N, 125°01'30"E.
- e. 37°34'00"N, 125°14'45"E.
- f. 37°40'00"N, 125°32'00"E.
- g. 37°41'00"N, 125°39'30"E.
- h. 37°37'20"N, 125°39'00"E.
- i. 37°30'45"N, 125°24'00"E.
- j. 37°26'00"N, 125°24'00"E.
- k. 37°26'00"N, 125°04'00"E.
- l. 37°32'15"N, 124°48'00"E.

Area R-135—East coast—Approaches to Gisamun.—An area bound by the following points:

- a. 38°09'30"N, 129°04'00"E.

- b. 38°06'00"N, 128°57'45"E.
- c. 37°33'30"N, 129°24'15"E.
- d. 37°37'00"N, 128°30'20"E.

Area R-136—East coast—Approaches to Sam-cheok.—An area bound by the following points:

- a. 37°25'00"N, 129°30'45"E.
- b. 37°28'10"N, 129°37'00"E.
- c. 37°06'30"N, 129°47'10"E.
- d. 37°04'30"N, 129°40'00"E.

3. Air Force Controlled Areas:**Area R-74—East coast—Northeast of Yeong-il Man.**—An area bound by the following points:

- a. 36°52'N, 130°00'E.
- b. 36°50'N, 130°13'E.
- c. 36°44'N, 130°25'E.
- d. 36°02'N, 130°25'E.
- e. 36°02'N, 130°00'E.

Area R-80—West coast—Southwest of Gyeong-nyeolbiyeoldo.—An area bound by the following points:

- a. 36°35'N, 124°50'E.
- b. 36°35'N, 125°42'E.
- c. 36°05'N, 125°42'E.
- d. 36°05'N, 124°50'E.

Area R-84—West coast—Southwest of Anma Gundo.—An area bound by the following points:

- a. 35°15'N, 124°50'E.
- b. 35°15'N, 125°42'E.
- c. 34°50'N, 125°42'E.
- d. 34°50'N, 124°50'E.

Area R-88—West coast—North of Gyeongnyeolbiyeoldo.—An area bound by the following points:

- a. 37°06'00"N, 124°50'00"E.
- b. 37°10'10"N, 125°36'00"E.
- c. 36°35'00"N, 125°36'00"E.
- d. 36°35'00"N, 124°50'00"E.

Area R-97A—West coast—Approaches to Daecheon Hang.—An area bound by the following points:

- a. 36°20'N, 126°31'E.
- b. 36°18'N, 126°35'E.
- c. 36°02'N, 126°24'E.
- d. 36°13'N, 126°11'E.

Area R-97B—West coast—Approaches to Daecheon Hang.—An area bound by the following points:

- a. 36°20'00.0"N, 125°57'00.0"E.
- b. 36°20'00.0"N, 126°10'00.0"E.
- c. 36°22'07.5"N, 126°14'43.7"E.
- d. 36°21'22.5"N, 126°30'07.6"E.
- e. 36°14'00.0"N, 126°38'00.0"E.
- f. 35°53'00.0"N, 126°22'00.0"E.

PUB 120 (Continued)

- g. 36°12'00.0"N, 126°03'00.0"E.
- h. 36°14'00.0"N, 125°57'00.0"E.

Area R-97C—West coast—Approaches to Daecheon Hang.—An area bound by the following points:

- a. 36°21'29.5"N, 126°22'54.6"E.
- b. 36°21'22.5"N, 126°30'07.6"E.
- c. 36°14'00.0"N, 126°38'00.0"E.
- d. 35°41'00.0"N, 125°44'00.0"E.
- e. 35°51'00.0"N, 125°35'00.0"E.

Area R-97D—West coast—Approaches to Daecheon Hang.—An area bound by the following points:

- a. 36°21'17.5"N, 126°24'43.7"E.
- b. 36°21'22.5"N, 126°30'07.6"E.
- c. 36°14'00.0"N, 126°38'00.0"E.
- d. 35°35'00.0"N, 126°06'00.0"E.
- e. 35°42'00.0"N, 125°52'00.0"E.

Area R-104—West coast—Southeast of Wido.—An area, 5 miles in radius, centered on position 35°32'51"N, 126°26'26"E.

Area R-105—West coast—Southeast of Eo-cheongdo.—An area, 11 miles in radius, centered on position 35°53'26"N, 126°04'36"E.

Area R-107—East coast—East of Gangnueng.—An area bound by the following points:

- a. 38°08'N, 129°51'E.
- b. 38°08'N, 130°10'E.
- c. 37°39'N, 130°10'E.
- d. 37°42'N, 129°51'E.

4. Agency for Development Controlled Areas:

Area R-108A (No. 1 Firing Range)—West coast—Approaches to Anheung Hang.—An area bound by the following points:

- a. 36°40'46.3"N, 126°09'16.7"E.
- b. 36°40'36.3"N, 126°11'58.7"E.
- c. 36°33'08.4"N, 126°13'49.7"E.
- d. 36°32'58.4"N, 126°09'04.7"E.

Area R-108B (No. 2 Firing Range)—West coast—Approaches to Anheung Hang.—An area bound by the following points:

- a. 36°40'46.3"N, 126°09'16.7"E.
- b. 36°40'36.3"N, 126°12'58.7"E.
- c. 36°29'25.4"N, 126°15'01.7"E.
- d. 36°28'10.4"N, 126°07'28.7"E.

Area R-108C (No. 3 Firing Range)—West coast—West of Gunsan Hang.—An area bound by the following points:

- a. 36°40'38.3"N, 126°10'23.7"E.
- b. 36°34'10.4"N, 126°17'52.6"E.

- c. 34°58'24.1"N, 126°03'07.9"E.
- d. 35°01'19.0"N, 125°42'50.0"E.
- e. 36°38'10.3"N, 125°59'52.8"E.

Area R-108D (No. 4 Firing Range)—West coast—Approaches to Anheung Hang.—An area bound by the following points:

- a. 36°40'46.3"N, 126°09'16.7"E.
- b. 36°40'36.3"N, 126°11'52.7"E.
- c. 36°21'40.5"N, 126°09'07.7"E.
- d. 36°23'10.5"N, 126°00'22.8"E.

Area R-108E (No. 5 Firing Range)—West coast—Approaches to Anheung Hang.—An area bound by the following points:

- a. 36°40'39.3"N, 126°10'03.7"E.
- b. 36°41'11.3"N, 126°11'59.7"E.
- c. 36°36'57.4"N, 126°15'54.7"E.
- d. 36°33'36.4"N, 126°15'54.7"E.
- e. 36°33'34.4"N, 126°13'42.7"E.

Area R-108F (No. 6 Firing Range)—West coast—Approaches to Anheung Hang.—An area bound by the following points:

- a. 36°40'46.3"N, 126°09'16.7"E.
- b. 36°40'36.3"N, 126°11'52.7"E.
- c. 36°17'19.5"N, 126°00'32.8"E.
- d. 36°18'10.5"N, 125°56'37.8"E.

5. National Maritime Police Controlled Areas:

Area Sokcho—East coast—East of Sokcho Hang.—An area, 5 miles in radius, centered on position 38°11'09.8"N, 128°49'51.6"E.

Area Tonghae—East coast—Northeast of Mukho Hang.—An area, 5 miles in radius, centered on position 37°40'10.1"N, 129°15'51.5"E.

Area Pohang—East coast—Northeast of Yeong-il Man.—An area bound by the following points:

- a. 37°04'10.4"N, 129°59'51.3"E.
- b. 36°25'10.8"N, 131°11'51.0"E.
- c. 36°00'10.9"N, 130°51'51.2"E.
- d. 36°08'10.8"N, 129°59'51.4"E.

Area Ulsan—East coast—East of Ulgi Light.—An area, 5 miles in radius, centered on position 35°35'50.0"N, 129°42'55.6"E.

Area Pusan—South coast—Southwest of Pusan Hang.—An area, 4 miles in radius, centered on position 34°53'11.3"N, 128°56'51.9"E.

Area Tongyong—South coast—East of Yokjido.—An area, 5 miles in radius, centered on position 34°38'31.4"N, 128°27'52.1"E.

PUB 120 (Continued)

Area Yosu—South coast—Southwest of Yokjido.—An area, 5 miles in radius, centered on position 34°29'56.4"N, 128°04'52.2"E.

Area Wando—South coast—South of Cheong-sando.—An area, 5 miles in radius, centered on position 34°04'11.5"N, 126°51'52.7"E.

Area Cheju—South coast—Northwest of Che-judo.—An area, 5 miles in radius, centered on position 33°40'11.6"N, 126°17'52.9"E.

Area Mokpo Entrance—West coast—Approaches to Bulmugido.—An area, 5 miles in radius, centered on position 34°45'34.2"N, 126°13'23.8"E.

Area Mokpo L—West coast—Southwest of Dae-heuksando.—An area, 4 miles in radius, centered on position 34°33'11.2"N, 125°20'53.2"E.

Area Mokpo Yongkwang—West coast—Northwest of Beopseongpo.—An area, 3 miles in radius, centered on position 35°24'10.9"N, 126°14'52.8"E.

Area Mokpo Uido—West coast—South of Uido.—An area, 4 miles in radius, centered on position 34°25'11.3"N, 125°54'53.0"E.

Area Kunsan—West coast—Southeast of Eo-cheongdo.—An area, 5 miles in radius, centered on position 35°51'40.7"N, 126°10'07.8"E.

Area Taean—West coast—South of Anheung Hang.—An area, 5 miles in radius, centered on position 36°28'55.4"N, 126°04'22.7"E.

Area Inchon—West coast—Southwest of Deok-jeokdo.—An area, 4 miles in radius, centered on position 37°04'10.2"N, 126°04'52.7"E.

(ROK Annual Notice No. 4 of 2003) 15/04

PUB 147 7 Ed 2001 LAST NM 12/04

Page 88—Line 18/R; insert after:

A 10.4m shoal was reported (2004) to lie 2.8 miles SE of Big Pelican Island, about 1 mile N of the 294.75° range line.
(US NM 11/04) 15/04

Page 102—Line 43/R; insert after:

It has been reported (2004) that lights are located near the end of the N branch of the W breakwater and near the end of the E breakwater.

(US NM 11/04) 15/04

PUB 159 8 Ed 2002 LAST NM 13/04

Page 123—Lines 32 to 37/R; read:

Pilotage.—Pilotage is compulsory for vessels of 10,000 grt or more and available until 2000 local time. Pilots can be obtained from "Hanshin Pilot" service with offices at Osaka and Kobe. Requests for pilots should be made the day before

arrival between 0900 and 1700 local time. Pilots board vessels within a circle of radius 0.5 mile centered on a position 1.75 miles WSW of Osaka North Breakwater Light.

(BA NP 286(4)) 15/04

COAST PILOT CORRECTIONS**COAST PILOT 5 31 Ed 2004 Change No. 13 LAST NM 13/04**

Page 94—Paragraph 989; read:

(a-1) The draw of the Boca Grande Swingbridge, mile 34.3, shall open on signal; except that, from 7 a.m. to 6 p.m., Monday through Friday, except Federal holidays, the draw need open only on the hour and half hour. On Saturday, Sunday and Federal holidays, from 7 a.m. to 6 p.m., the draw need open only on the hour, quarter hour, half hour and three quarter hour.

(CL 252/04; FR 03/01/04) 15/04

Page 378—Paragraph 60, lines 11 to 12; read:
turning basin. In January 2004, the controlling depth was 7.9 feet (10.5 feet at midchannel). A fixed highway ...

(CL 262/04) 15/04

Page 476—Paragraph 430; read:

Conoco, Clifton Ridge Marine Terminal, Barge Wharf (30°09'28"N., 93°19'44"W.): 240-foot face, 350 feet of berthing space; 10 feet alongside; deck height, 6 feet; receipt of crude oil and bunker fuel; owned and operated by Conoco, Inc.

Conoco, Clifton Ridge Marine Terminal, Tanker Wharf (30°09'22"N., 93°19'50"W.): 75-foot face, 960 feet of berthing space; 40 feet alongside; deck height, 12 feet; receipt of crude oil; owned and operated by Conoco, Inc.

(CL 219/04; PS 21/02) 15/04

Page 492—Paragraph 160, lines 3 to 4; read:
Sabine River to the first fixed highway bridge. In January 2004, the controlling depth was 6.0 feet (8.0 ...

(CL 241/04; CO 030/00) 15/04

Page 520—Paragraph 47, line 2; read:

Berths Nos. 2 and 3 (28°56'21"N., 95°19'21"W.): ...
(CL 196/04) 15/04

Page 521—Paragraph 59, lines 8 to 9; read:
Intracoastal Waterway. In February 2004, the controlling depth was 3.5 feet (8.8 feet at midchannel) to about ...
(CL 241/04; CO 030/00) 15/04

Page 569—Paragraph 408, lines 3 to 4; read:
River. In January 2004, the controlling depth was 5.7 feet (9.0 feet at midchannel).

(CL 241/04; CO 030/00) 15/04

Page 569—Paragraph 411, lines 5 to 7; read:
formerly used by the Matagorda Bay. In January–February 2004, the controlling depth was 1.1 feet (1.6 feet at midchan-

COAST PILOT 5 (Continued)

nel). The Gulf entrance to the flood ...
 (CL 241/04; CO 030/00) 15/04

Page 570—Paragraph 412, lines 3 to 4; read:
 of Bay City Barge Terminal. In 2001–February 2004, the
 controlling depth was 1.5 feet (6.8 feet at midchannel) ...
 (CL 241/04; CO 030/00) 15/04

COAST PILOT 5 31 Ed 2004 Change No. 14

Page 299—Paragraph 171; strike out.
 (NOS 11431) 15/04

Page 299—Paragraph 174; strike out.
 (NOS 11430) 15/04

Page 303—Paragraph 227, line 1; read:
San Carlos Bay Light SC (26°25'08"N., 81°57'33"W.), ...
 (LL/04) 15/04

Page 386—Paragraph 163, lines 7 to 9; read:
 thence in January–February 2004, 15.4 feet (17.2 feet at mid-channel) to the turning basin, thence 17.6 feet in the turning basin, thence 6.5 feet (13.5 feet at ...
 (CL 286/04) 15/04

Page 393—Paragraph 260, lines 3 to 4; read:
 to a turning basin in **Ott Bayou**. In January 2004, the controlling depth was 5.5 feet.
 (CL 259/04) 15/04

Page 546—Paragraph 60, line 8; read:
 drawbridge regulations.) In January 2004, a replacement bascule bridge was under construction with a design clearance of 30 feet.
 (CL 288/04; 01/04 CG7) 15/04

Page 563—Paragraph 319, lines 5 to 7; read:
 cables at the bridge have a clearance of 94 feet.
 (CL 283/04) 15/04

COAST PILOT 5 31 Ed 2004 Change No. 15

Page 163—Paragraph 2573, line 4; read:
 area.

**§165.T08–090 Safety Zone; Lower Mississippi River,
 Mile Marker 88.1 to 90.4, Above Head of Passes, New
 Orleans, LA.**

(a) *Location.* The following area is a safety zone: the entire width of the Lower Mississippi River, above Head of Passes, beginning at mile marker 88.1, which is the location of the lower end of the Algiers Lock fore bay, and ending at mile marker 90.4, which is the location of the Chalmette Slip and 350 yards upriver of the Belle Chasse Launch Service's West Bank Dock.

(b) *Effective dates.* This section is effective from Febru-

ary 16, 2004 to February 16, 2005.

(c) *Enforcement period.* This rule will be enforced only when the Carrollton gauge reads 10 feet or higher during the effective period. When the Carrollton gauge reads 10 feet or higher, this section will be enforced every Sunday from 1:45 a.m. to 3:45 a.m. and from 4:30 p.m. to 6:30 p.m. These periods of enforcement are based on the predicted cruise schedule for the C/S CONQUEST and are subject to change. The Captain of the Port New Orleans will inform the public via broadcast notice to mariners of the enforcement periods for the safety zone.

(d) *Regulations.* (1) In accordance with the general regulations in §165.23 of this part, entry into this zone is prohibited to all people, mariners and vessels 30 minutes prior to the C/S CONQUEST's arrival at the power cables, unless authorized by the Captain of the Port New Orleans.

(2) Vessels are prohibited from anchoring in the New Orleans Emergency Anchorage or the New Orleans General Anchorage below mile marker 90.4, which is the location of the Chalmette Slip, and 350 yards upriver of the Belle Chasse Launch Service's West Bank Dock. This prohibition is effective two hours prior to the arrival and departure of the C/S CONQUEST or until it safely passes under the power cables.

(3) Moored vessels are permitted to remain within the safety zone.

(4) The Captain of the Port New Orleans will inform the public via broadcast notice to mariners of the enforcement periods for the safety zone.

(5) Vessels requiring entry into or passage through the zone during the enforcement period must request permission from the Captain of the Port New Orleans or a designated representative. Designated representatives include the Vessel Traffic Center (VTC) and on-scene U.S. Coast Guard patrol personnel. The VTC may be contacted on VHF Channel 67 or by telephone at (504) 589-2780. On-scene U.S. Coast Guard patrol personnel may be contacted on VHF channel 67.

(6) All persons and vessels shall comply with the instructions of the Captain of the Port New Orleans, the Vessel Traffic Center, and designated on-scene U.S. Coast Guard patrol personnel. On-scene U.S. Coast Guard patrol personnel include commissioned, warrant, and petty officers of the U.S. Coast Guard.

(FR 2/17/04) 15/04

Restricted and Danger Areas with Associated Airspace—New South Wales Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R595	Williamtown	Military intercept training	H24	a. 32°00'00"S, 152°45'52"E. b. 31°00'21"S, 153°16'04"E. c. 30°27'37"S, 153°32'21"E. d. 31°01'44"S, 155°18'14"E. e. 32°33'37"S, 154°47'57"E. f. 33°51'30"S, 154°01'56"E. g. 33°51'30"S, 152°07'57"E. h. 33°32'50"S, 151°58'52"E. i. 33°12'21"S, 151°56'02"E. then the minor arc of a circle 25 NM in radius centered on Williamtown Tacan (32°47'49"S, 151°50'00"E); to j. 32°44'36"S, 152°19'24"E. k. 32°25'00"S, 152°33'00"E.	2
YBBB/R596	Williamtown	Firing	H24	a. 32°42'00"S, 152°04'00"E. b. 32°46'30"S, 152°04'00"E. c. 32°49'00"S, 151°55'00"E. d. 32°46'00"S, 151°51'00"E. e. 32°39'30"S, 151°51'00"E. f. 32°39'30"S, 151°57'45"E.	2
YBBB/R609	Evans Head	Firing	NOTAM	29°14'00"S, 153°24'00"E; then the major arc of a circle 3 NM in radius centered on 29°11'00"S, 153°24'00"E; to 29°10'13"S, 153°27'19"E.	2
YBBB/R641	Evans Head	Firing	H24	R641A a. 28°57'00"S, 153°27'30"E. b. 28°56'21"S, 153°31'28"E. then along the coast to 29°06'55"S, 153°26'11"E; then along the N bank of the Evans River and the Richmond River to 29°01'20"S, 153°17'00"E.	2
			H24	R641B a. 29°15'00"S, 153°03'30"E. b. 29°06'00"S, 153°05'40"E. c. 29°01'20"S, 153°17'00"E. then along the N bank of the Evans River and the Richmond River to 29°06'55"S, 153°26'11"E; then along the coast to 29°26'28"S, 153°22'12"E.	2
			H24	R641C a. 29°15'00"S, 153°03'30"E. b. 29°06'00"S, 153°05'40"E. c. 28°57'00"S, 153°27'30"E. d. 28°56'21"S, 153°31'28"E. then along the coast to 29°26'28"S, 153°22'12"E.	2

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
275	Flat Ground Bell Buoy 1 At north end of flat ground.	42 41 04 N 70 34 48 W			Green.		Replaced by can from Oct. 15 to May 01.
		*				*	* 15/04
22430	- Channel Junction Daybeacon SC	41 20 19 N 72 10 58 W			Green and red.		
		*	*			*	15/04
*Add Headings:							
*Upper Bay							
*National Dock Channel							
*37209	Front Range Light	40 41 17 N 74 04 49 W	Iso Y 6s		50	Mono pole.	Private aid.
							15/04
*Delete Headings:							
*Upper Bay							
*National Dock Channel							
37210	- Buoy 2				Red nun.		
							15/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1455	- RANGE FRONT LIGHT	38 57 12 N 74 52 42 W	F W (Day) Q W (Night)	22 21		KRW on pile.	Visible on range line only.
				*			15/04
5407	- WARNING LIGHT A		Fl W 6s			NW on pile worded DANGER SUBMERGED PIPELINE.	Private aid.
		*	*				15/04
6630	Wachapreague North Inlet Buoy 1						Remove from list.
							*
17645	- RANGE FRONT LIGHT	38 18 36 N 77 02 06 W	Q G	14		KWR on pile.	Visible all around; higher intensity on rangeline.
				*			15/04
18603	- Channel Buoy 92A				Red nun.		Private aid.
		*	*	*	*	*	*
*18603.01	- Channel Buoy 94A				Red nun.		Private aid.
							15/04
*18603.02	- Channel Buoy 96A				Red nun.		Private aid.
							15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*18603.03	- Channel Buoy 98A				Red nun.		Private aid.
							15/04
21773	- Channel Daybeacon 3A				SG on pile.		
	*						15/04
*21774	- Channel Daybeacon 5				SG on pile.		
							15/04
21775	- Channel Daybeacon 5A				SG on pile.		
	*					*	
21780	- Warning Daybeacon AA				NW on pile worded DANGER SHOAL.		
	*					*	
*21783	- Channel Daybeacon 6				TR on pile.		
							15/04
30140 39520	NEW RIVER-CAPE FEAR RIVER JUNCTION LIGHT BC	34 24 37 N 77 35 43 W	Fl (2+1) G 6s	15	3	JG-SY on pile.	
					*		15/04
30960	- JUNCTION LIGHT A	34 14 26 N 77 57 17 W	Fl (2+1) G 6s	15	3	JG on pile.	
	*						15/04
39520 30140	- JUNCTION LIGHT BC	34 24 37 N 77 35 43 W	Fl (2+1) G 6s	15	3	JG-SY on pile.	
					*		15/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2505.5	SHUTES FOLLY RANGE FRONT LIGHT	32 47 17 N 79 55 27 W	Fr				
							15/04
*10347	PORT EVERGLADES NORTH REGULATORY LIGHT	26 05 41 N 80 06 41 W	Fl W 4s	16	3	NW on piles worded "WARNING SLOW SPEED MINIMUM WAKE" inbound "RESUME NORMAL SPEED SAFE OPERATION" outbound.	
							15/04
*10349	PORT EVERGLADES SOUTH REGULATORY LIGHT	26 05 33 N 80 06 41 W		16	3	NW on piles worded "WARNING SLOW SPEED MINIMUM WAKE" inbound "RESUME NORMAL SPEED SAFE OPERATION" outbound.	
							15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21350	- Daybeacon 3A						<i>Remove from list.</i>
							*
23725	- RANGE REAR LIGHT 1,728 yards, 178.7° from front light.		Iso W 6s Fl W 4s	62 23	5	KRW on skeleton structure on piles.	Visible 2° each side of rangeline. Passing light obscured on rangeline, visible elsewhere.
					*		15/04
Little Manatee River							
24481	- APPROACH LIGHT LM	27 43 24 N 82 30 00 W	Mo (A) W	16	5	MR on pile.	
					*		15/04
31690	SAVANA ISLAND LIGHT	18 20 14 N 65 04 58 W	Fl W 4s	300	6	White tower.	
				*			15/04
FREDERIKSTED ROAD (Chart 25644)							
33340	SOUTHWEST CAPE LIGHT	17 40 39 N 64 53 59 W	Fl W 6s	45	6	Gray skeleton tower.	
			*				15/04
34710	- RANGE D FRONT LIGHT	32 47 16 N 80 06 04 W	Q R	10		KRW-I on pile.	Visible all around; higher intensity on rangeline.
			*				15/04
36660	- LIGHT 149		Fl G 4s	16	4	SG-SY on pile.	
				*			15/04
Altamaha Sound							
36890	- LIGHT 198		Q R	12	4	TR-TY on dolphin.	
			*		*		15/04
36905	- LIGHT 201		Fl G 4s	12	4	SG-SY on dolphin.	
			*				15/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3320 29770	- WEST LIGHT 3						<i>Remove from list.</i>
							*
*3321	- West Lighted Buoy 3	30 09 03 N 85 41 17 W	Q G	3		Green with yellow square.	
							15/04
*3336	- West Lighted Buoy 8	30 09 40 N 85 42 36 W	Fl R 4s	4		Red with yellow triangle.	
							15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*17612	- Daybeacon 48A				TR on pile.	Ra ref.	
							15/04
29770 3320	- WEST LIGHT 3					Remove from list.	
							*
							15/04
							15/04
*29781	- West Lighted Buoy 8	30 09 40 N 85 42 36 W	Fl R 4s		4	Red with yellow triangle.	
							15/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
650	Yaquina Head Light	44 40 36 N 124 04 46 W	Fl (2) W 20s 2s fl 2s ec. 2s fl 14s ec.	162	19	White conical tower. 93	Lighted throughout 24 hours. Emergency light Iso W 6s, operates at reduced intensity.
		*	*				15/04
8635	- Entrance Daybeacon 9	42 02 46 N 124 16 13 W		12		SG on pile.	
		*	*				15/04
8690	- ENTRANCE RANGE FRONT LIGHT	43 07 15 N 124 24 45 W	Q W	15		KRB on skeleton tower.	Visible 4° each side of rangeline.
		*					15/04
8700	- SOUTH JETTY LIGHT 8	43 07 22 N 124 25 47 W	Fl R 4s	30	6	TR on white masonry building.	HORN: 1 blast ev 30s (3s bl). Operates continuously.
		*					15/04
8762	- North Jetty Fog Signal	43 21 31 N 124 20 41 W		6			HORN: 1 blast ev 30s (3s bl). Fog signal sounded continuously from Jun. 1 to Sep. 15.
		*	*	*	*	*	15/04
8770	- LEADING LIGHT	43 21 02 N 124 20 11 W	Q W	90	4	NB on skeleton tower.	Visible from 138° to 279°.
		*					15/04
8805	- INSIDE RANGE B FRONT LIGHT	43 22 08 N 124 18 52 W	Q W	20		KRB on pile structure.	Visible 4° each side of rangeline.
		*					15/04
8815	- RANGE A FRONT LIGHT	43 21 40 N 124 19 14 W	Q W	19		KRB on pile structure.	Visible 4° each side of rangeline.
		*					15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8845	- RANGE B FRONT LIGHT	43 23 17 N 124 17 07 W	Q R	21		KRB on pile structure.	Visible 1.5° each side of rangeline. *
							15/04
8865	- B FRONT LIGHT	43 24 49 N 124 16 21 W	Q R	19		KRB on dolphin.	Visible 4° each side of rangeline. *
							15/04
8940	JARVIS DIKE 6.8 LIGHT 19	43 25 01 N 124 16 36 W	Fl G 4s	15	3	SG on dolphin.	
							15/04
12455	- LIGHT 11	45 42 09 N 120 27 38 W	Fl G 6s	55	4	SG on skeleton tower. 16	*
							15/04
12740	UMATILLA MARINA ENTRANCE LIGHT 1	45 55 35 N 119 19 56 W	Fl G 6s	15	4	SG on pile.	
							15/04
13010	- Junction Daybeacon	46 09 29 N 118 59 54 W		10		JG on pile.	Ra ref.
							15/04
13030	- Daybeacon 42	46 11 30 N 119 01 34 W		15		TR on pile.	Ra ref.
							15/04
13060	- Daybeacon 52	46 14 02 N 119 11 26 W		10		TR on dolphin.	
							15/04
13075	- Daybeacon 59	46 14 23 N 119 12 52 W		17		SG on pile.	Ra ref.
							15/04
13085	- Daybeacon 68	46 16 23 N 119 15 43 W		20		TR on dolphin.	Ra ref.
							15/04
13575	- LIGHT 20	46 36 07 N 118 20 58 W	Fl R 4s	10	4	TR on skeleton tower.	
							15/04
13605	- LIGHT 28	46 36 56 N 118 14 41 W	Fl R 4s	24	4	TR on skeleton tower.	
							15/04
13655	McGUIRE RANGE FRONT LIGHT	46 34 25 N 118 04 37 W	Q R	20		KRB on multipile.	Visible all around; higher intensity on rangeline. *
							15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13660	McGUIRE RANGE REAR LIGHT 81 yards, 254.5° from front light.		Iso R 6s	56		KRB on skeleton tower.	Visible 14° each side of rangeline.
				*			15/04
13770	- LIGHT 16	46 40 21 N 117 46 33 W	Fl R 6s	25	4	TR on multipile.	
		*		*			15/04
FRANKLIN D. ROOSEVELT LAKE (Southern Part) (Chart 18551)							
Franklin D. Roosevelt Lake							
Aids maintained from Jun. 15 to Oct. 1.							
14125	- LIGHT A	47 56 49 N 118 56 08 W	Fl W 4s	12	5	NR on box.	
		*		*			15/04
14165	- Buoy 8	47 55 48 N 118 41 58 W				Red nun.	
		*					15/04
14215	- LIGHT A	47 56 18 N 118 15 22 W	Fl W 4s	44	5	NR on skeleton tower.	
		*		*			15/04
14220	- LIGHT B	47 56 48 N 118 12 46 W	Fl W 6s	16	5	NR on skeleton tower.	
		*		*			15/04
15385	- CHANNEL LIGHT 59	46 40 47 N 123 45 59 W	Fl G 2.5s	15	3	SG on pile structure.	
		*		*			15/04
15410	- LIGHT 7	46 36 35 N 123 58 29 W	Fl G 4s	22	4	SG on pile structure.	Higher intensity beam up channel.
		*		*			15/04
Nahcotta Channel							
15420	- LIGHT 10	46 34 17 N 123 58 41 W	Fl R 4s	22	5	TR on dolphin.	
		*					15/04
15425	- Daybeacon 11	46 33 47 N 123 57 41 W				SG on pile.	
		*					15/04
15430	- Daybeacon 12	46 32 41 N 123 59 11 W				TR on pile.	
		*					15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15435	LONG ISLAND JUNCTION LIGHT	46 32 17 N 123 58 41 W	Fl (2+1) G 6s	15	5	JG on dolphin.	Higher intensity beam up and down channel. *
							15/04
15440	- Daybeacon 13	46 30 41 N 124 00 17 W				SG on pile.	
			*				15/04
15485	STANLEY POINT JUNCTION LIGHT	46 27 41 N 123 56 17 W	Fl (2+1) R 6s	15	4	JR on pile.	Higher intensity beam down channel. Ra ref. *
					*		15/04
15500	- LIGHT 6	46 38 24 N 123 58 20 W	Fl R 4s	21	4	TR on pile.	Higher intensity beam upstream. *
							15/04
15515	- LIGHT 11	46 38 51 N 123 57 06 W	Fl G 4s	18	4	SG on pile structure.	Higher intensity beam down channel. *
							15/04
15525	PALIX RIVER LIGHT 15	46 37 54 N 123 56 37 W	Fl G 4s		4	SG on dolphin.	
			*		*		15/04
15526	Palix River Buoy 16	46 37 52 N 123 56 48 W				Red nun.	
			*				15/04
22375	HIGH ISLAND LIGHT	55 24 03 N 132 09 51 W	Fl W 6s	40	6	NR on skeleton tower.	Obscured from 330° to 132°. *
							15/04
23520	HOGGATT BAY LIGHT	56 45 51 N 134 39 22 W	Fl W 2.5s	40	5	NR on skeleton tower.	Obscured from 134° to 307°. *
							15/04

CORONATION ISLAND TO LISIANSKI STRAIT (Chart 17320)

Chatham Strait

23985	WARM SPRING BAY LIGHT	57 04 48 N 134 46 32 W	Fl W 4s	27	7	NR on skeleton tower.	Obscured from 308° to 101°. *
							15/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4325	- DETACHED BREAKWATER EAST LIGHT		Fl Y 2.5s	25 8	4	NY on post.	
			*				15/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading and Note: *Northerly Island Danger Zone							
<i>*Buoys maintained from May 1 to Oct. 31.</i>							
19935	- East Buoy ZA					<i>Remove from list.</i>	
						*	15/04
19940	- West Buoy ZA					<i>Remove from list.</i>	
						*	15/04
19945	- East Buoy ZB					<i>Remove from list.</i>	
						*	15/04
19950	- West Buoy ZB					<i>Remove from list.</i>	
						*	15/04
*Add Heading: *Northerly Island Danger Zone							
19955	BURNHAM PARK HARBOR LIGHT	41 51 06 N 87 36 36 W	F1 G 3s (R sector)	60 44		On skeleton tower. Red from 135° to 255°. Maintained from Apr. 15 to Dec. 1. Private aid.	15/04

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CATALINA HARBOR:							
1648 -Green Island. <i>H 0526</i>		48° 30.2' N 53° 02.6' W	Fl.W. period 18s	92 28	15	Red and white octagonal tower; 34.	Horn: 1 bl. ev. 60s. (bl. 4s, si. 56s). Horn points 115°. *
				*	*	*	*
2244 -Grand Bank breakwater, seaward end. <i>H 0320</i>		47° 06.1' N 55° 44.9' W	Fl.R. period 4s	19 6	4	Red round mast; 10.	
				*	*	*	15/04
2252 -Grand Bank Range, front. <i>H 0322.4</i>							<i>Remove from list.</i> *
2256 --Rear, 109.4 meters 244°20' from front. <i>H 0322.41</i>							<i>Remove from list.</i> *
							15/04
2260 --West Pier, head. <i>H 0321</i>		47° 06.0' N 55° 45.0' W	Q.R.	20 6	4	Round mast; 16.	
				*	*	*	
2300 -Boxey Point. <i>H 0300</i>		47° 24.2' N 55° 35.1' W	Fl.W. period 3s fl. 0.5s, ec. 2.5s	57 17	5	Square skeleton tower, red and white bands; 14.	
				*	*	*	
14774 ---Range, front. <i>J 5695</i>		17° 07.1' N 61° 50.6' W	Iso.R. period 2s	62 19	6	Metal mast, red square daymark; 56.	
				*			15/04

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9965 Russell Heads. <i>K 3163</i>		17° 13.3' S 145° 58.1' E	Fl.W. period 2.5s	17 5			
			*				15/04
14392 Punta Azufre. <i>G 3617</i>		30° 23.9' N 115° 59.0' W	Fl.W. period 12s	33 10	10	Truncated pyramidal white aluminum tower; 23.	
			*	*	*		15/04
14405 Punta Blanca. <i>G 3615.4</i>		29° 06.0' N 114° 42.0' W	Fl.W. period 10s	56 17	9	Truncated pyramidal white aluminum tower.	
			*	*	*		15/04

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15300 Mys Chaplina. <i>F 8196</i>		64° 24.3' N 172° 14.2' W	L.FI.W. period 6s	92 28	14	Black 4-sided pyramidal structure, platform on top; 59.	Reserve light Fl.W. 12s 11M. Radar reflector.
							*
							15/04
	-Bukhta Emma:						
15328 - Approach Range, front, SW. <i>F 8176</i>	extension of Mys Likhacheva.	64° 25.1' N 173° 15.0' W	L.FIG. period 6s fl. 2s, ec. 4s	121 37	8	White pyramidal stone structure, red stripe; 29.	Reserve light Q.W. 8M.
							*
							15/04
15344 -Mys Lesovskogo. <i>F 8172</i>		64° 20.3' N 173° 33.7' W	L.FI.W. period 10s fl. 2s, ec. 8s	167 51	18	White panel on red metallic pipe; 29.	
							*
							15/04

CORRECTIONS TO PUB 112, RADIOBEACONS, 2004 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
2020 Mys Lesovskogo							Remove from list.
							*
							15/04
2021 Likhacheva Light Station							Remove from list.
							*
							15/04
2030 Mys Chaplina Light Station							Remove from list.
							*
							15/04

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1892 Cabo Machichaco. <i>D 1520</i>		43° 27.2' N 2° 45.2' W	Fl.W. period 7s fl. 0.3s, ec. 6.7s	400 122	24	Stone tower on NW. corner of gray building, aluminum lantern; 66.	Siren: 2 bl. ev. 60s.
							*
							15/04
2444 Punta de la Estaca de Bares. <i>D 1686</i>		43° 47.2' N 7° 41.1' W	Fl.(2)W. period 7.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 5.6s	331 101	25	Octagonal tower, dwelling; 33.	Obscured when bearing greater than 291°. Aeromarine light. Siren: (150 meters 345°) Mo.(B) ev. 60s (bl. 6s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 39s).
							*
							15/04
5156 -Cala Llonga. <i>E 0311.4</i>		39° 22.1' N 3° 14.1' E	Fl.(1+2)W. period 20s	56 17	7	White column, black stripes; 18.	
					*		
							15/04
17016 -N. breakwater, head. <i>E 4859.2</i>		40° 11.1' N 26° 21.7' E	F.R.	16 5	3	Gray framework tower; 10.	
					*		
					*		15/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17392 <i>E 4937</i>	-Beylerbeyi.	41° 02.6' N 29° 02.5' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	10 3.	White metal post on palace wall;	
		*		*	*		15/04
17532 <i>E 4966.4</i>	-E. breakwater, head.	41° 53.3' N 28° 01.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	43 13	8	White concrete tower; 39.	
		*		*	*	*	15/04
17536 <i>E 4966.6</i>	-W. breakwater, head.	41° 53.2' N 28° 01.2' E	F.R.	43 13	4	White concrete tower; 42.	
		*		*	*	*	15/04
19798 <i>E 4615.3</i>	-Dolap Adasi.	39° 20.8' N 26° 40.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	16 5	8	Iron tower; 10.	
		*		*			15/04
*23886 <i>D 2826.5</i>	--Breakwater, head.	28° 29.5' N 16° 12.8' W	Fl.R. period 5s	43 13	3	Red column; 20.	
							15/04
24084 <i>D 2936</i>	Porto Navo, N. pier, head.	17° 01.2' N 25° 03.8' W	Iso.G. period 4s	43 13	6	Round hut; 18.	
				*			15/04
24136 <i>D 2936</i>	-Preguica (Porto Velho).	16° 33.7' N 24° 17.1' W	Fl.(2+1)R. period 15s	82 25	5	White hut; 23.	Visible 285°-016°.
					*		15/04

CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
140	Cabo Machichaco Light Station					Remove from list.	
						*	15/04
150	Cabo Mayor Light Station					Remove from list.	
						*	15/04
180	Punta Estaca de Bares Light Station					Remove from list.	
						*	15/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2544 <i>B 3404</i>	-Raudholmen, Hervikefjord.	59° 19.4' N 5° 37.3' E	Iso.W.R.G. period 2s	26 8	White lantern.	R. 350°-001°, W.-030°, G.-180°, R.-230°, W.-249°, G.-257°30', W.-261°, R.-269°.	
				*	*		15/04
2556 <i>B 3410</i>	-Urdholmen, Forlandsfjord.	59° 18.2' N 5° 27.8' E	Iso.W.R.G. period 4s	20 6	White lantern on base.	G. 330°-354°, R.-179°, W.-191°.	
				*	*		15/04
2656 <i>B 3450</i>	-Vestre Storesundflu.	59° 24.1' N 5° 16.1' E	FLG. period 3s	21 6	1 Lantern on tripod; 39.		
			*	*	*		15/04
2684 <i>B 3487</i>	-Vibrandsøy Range, front.	59° 25.1' N 5° 14.4' E	F.R.	31 9	Lantern on tripod.		
				*	*		15/04
2688 <i>B 3487.1</i>	-Rear about 150 meters from front.	59° 25.0' N 5° 14.6' E	F.R.	47 14	Lantern on tripod.		
				*	*		15/04
FEOY AND KVALØY:							
2848 <i>B 3546</i>	-Feøy, SE. point of Sondre Vindkjelholmen.	59° 22.2' N 5° 10.5' E	Iso.W.R.G. period 2s	39 12	White lantern on tower.	G. 160°-238°, R.-331°30', G.- 348°30', W.-005°, R.-049°.	
				*	*		15/04
2908 <i>B 3580</i>	-Haskru.	59° 32.9' N 5° 14.4' E	Iso.W.R.G. period 2s	39 12	White lantern on tripod.	G. 008°-022°, W.-042°, R.-063°, W.-204°, G.-225°.	
				*	*		15/04
ESPEVAER:							
2944 <i>B 3602</i>	-Marholmen.	59° 34.9' N 5° 08.7' E	Iso.W.R.G. period 6s	28 9	White lantern.	R. 152°-158°, G.-292°, W.- 346°30', R.-005°.	
				*	*		15/04
2948 <i>B 3604</i>	-Doroy, SE. extremity.	59° 35.2' N 5° 09.4' E	Iso.W.R.G. period 2s	27 8	Iron hut.	G. 240°-279°, W.-284°, R.-016°, W.-023°, G.-027°.	
				*			15/04
2960 <i>B 3610</i>	-Lyngoyosen.	59° 40.1' N 5° 08.5' E	Iso.W.R.G. period 2s	34 10	Plastic hut on concrete base.	R. 150°-156°, G.-179°30', W.- 185°, R.-194°, W.-196°, G.- 204°30', R.-290°, G.-339°30', R.-357°30', W.-002°, G.-010°.	
				*			15/04
2968 <i>B 3614</i>	-Hisken, Hiskenøye.	59° 43.2' N 5° 07.9' E	Iso.W.R.G. period 6s	61 19	White lantern on concrete base.	R. 229°-242°, W.-291°30', G.- 343°30', W.-350°, R.-077°, W.-103°30', R.-106°30', W.- 132°30', G.-150°.	
				*	*		15/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2984 <i>B 3615</i>	-Melandsvag, islet, SE. end.	59° 45.4' N 5° 10.0' E	Iso.W.R.G. period 2s	10 3		White lantern.	R. 206°-215°, G.-341°, W.-347°, R.-090°, W.-092°.
					*	*	15/04
3016 <i>B 3624</i>	-Samnungsoy.	59° 48.6' N 5° 06.1' E	Iso.R.G. period 2s	16 5		White lantern.	G. 143°-149°30', R.-313°, G.- 323°.
					*	*	*
3020 <i>B 3634</i>	-Trethholmen.	59° 50.1' N 5° 04.3' E	Iso.W.R.G. period 6s	56 17		White lantern on concrete base.	G. 123°-125°, W.-135°, R.-330°, G.-338°.
					*	*	15/04
3192 <i>B 3730</i>	-Landroyptynten, Tysnesoy, W. side.	59° 58.8' N 5° 23.4' E	Iso.W.R.G. period 6s	56 17		White lantern.	G. 303°-311°, W.-318°, R.- 341°30', G.-079°30', R.- 099°30', W.-137°30', G.-150°.
					*	*	15/04
3200 <i>B 3730.4</i>	Bardsund.	59° 59.7' N 5° 22.9' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	23 7		Post.	G. 006°30'-037°, R.-070°30, W.- 006°30'.
					*	*	15/04
3208 <i>B 3730.6</i>	Lassabaen.	60° 00.1' N 5° 23.6' E	Q.G.	13 4		Post.	
					*	*	15/04
3216 <i>B 3730.8</i>	Rundeballeike.	60° 00.4' N 5° 25.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	13 4		Post.	
					*	*	15/04
BJORNAFJORDEN:							
3224 <i>B 3734</i>	-Rotingtangen.	60° 07.8' N 5° 21.6' E	Iso.W.R.G. period 6s	46 14		White lantern.	R. 269°-290°30', G.-006°30', W.-122°30', R.-124°.
					*	*	15/04
NYLEID:							
3264 <i>B 3740</i>	-Stokkbleikjene.	59° 47.1' N 5° 20.2' E	Iso.W.R.G. period 4s	26 8		Cairn.	G. 320°-333°, W.-336°, R.-136°, G.-151°, W.-161°, R.-168°.
					*	*	15/04
3268 <i>B 3737</i>	-Brunsholmen.	59° 44.2' N 5° 23.1' E	Q.G.	30 9		Post.	
					*	*	15/04
3288 <i>B 3741</i>	-Osparoy, about 0.9 km. from S. end Flatoy.	59° 49.0' N 5° 17.2' E	Iso.W.R.G. period 2s	26 8		White lantern.	G. 309°30'-310°30', W.-316°, R.-328°30', G.-122°30', W.- 125°30', R.-166°30', W.-171°.
					*	*	15/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ENGESUNDSEYI:							
3300 -Ringholmen. B 3744		59° 53.0' N 5° 13.0' E	Oc.(2)W.R.G. period 8s	9 3 G.	W. 8 R. 5 G. 5	White lantern.	R. 136°30'-154°30', W.-158°, G.-228°, R.-243°, G.-329°30', W.-332°, R.-339°30'. * * 15/04
LANGOYSUNDET:							
3360 -Arneholmen. B 3754.4		59° 54.9' N 5° 12.5' E	Q.R.	23 7	2	Pedestal.	 * 15/04
3364 -Galtestenen. B 3754.8		59° 55.6' N 5° 13.8' E	Fl.W. period 3s	13 4		Post.	* * 15/04
3372 -Dyrholmflu. B 3755.6		59° 55.8' N 5° 14.7' E	Q.G.	16 5		Post.	* * 15/04
3376 -Selsoy. B 3750		59° 53.4' N 5° 05.9' E	Iso.W.R.G. period 2s	43 13		White lantern.	G. 310°-034°, R.-045°, G.-168°, W.-169°, R.-171°. Partially obscured by S. point of Gisoya. * * * 15/04
3380 -Janagelholmen. B 3751		59° 52.9' N 5° 04.7' E	Iso.W.R.G. period 4s	39 12		Column.	R. 225°30'-232°, G.-044°, W.- 056°, R.-079°30'. Unintensified 270°-350°. * * * 15/04
3408 -Stalhovo. B 3753		59° 54.4' N 5° 05.6' E	Iso.W.R.G. period 6s	49 15		Column.	G. 345°-354°, R.-123°, G.- 139°30', W.-217°30', R.-234°, G.-335°. Unintensified 030°-054°. * * * 15/04
SKOLTAFJORDEN:							
3420 -Stallaresskjer. B 3767		60° 01.0' N 5° 05.0' E	Iso.W.R.G. period 6s	28 9		White lantern on tripod.	W. 192°30'-194°, R.-214°, W.- 221°30', G.-237°30', R.-290°, W.-314°30', G.-346°30', R.- 041°, G.-089°, W.-091°30', R.-122°30', W.-138°, G.- 192°30'. * * * 15/04
3424 -Groningen. B 3768		60° 03.2' N 5° 09.8' E	Iso.W.R.G. period 4s	48 15		White lantern on concrete column.	W. 005°-008°, R.-035°30', W.- 042°30', G.-047°30', W.-052°, R.-097°30', G.-122°30', W.- 133°, R.-197°, W.-199°30', G.-277°30', R.-331°30', W.- 353°, G.-005°. * * * 15/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3432 <i>B 3766.8</i>	-Rosmunnholmen, W. of Kalsoy.	60° 02.4' N 5° 04.8' E	Iso.W.R.G. period 2s	78 24		White lantern on framework.	G. 317°-334°, W.-337°, R.-079°, W.-089°, G.-210°, R.-218°, W.-220°, G.-244°.
					*	*	15/04
3436 <i>B 3769</i>	-Makrellstallen.	60° 02.4' N 5° 05.2' E	F.I.R. period 3s	16 5		Post.	
					*	*	15/04
4188 <i>B 4147</i>	Rognsvag.	60° 47.0' N 4° 43.7' E	Q.R.	26 8		Post.	
		*			*	*	15/04
4251.4 <i>B 4202</i>	-Skrobertholmen.	60° 48.9' N 4° 48.9' E	Q.G.	13 4	3	Post.	
					*	*	15/04

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8022 <i>C 7321</i>	-Norsto Range, front.	57° 07.0' N 16° 33.7' E	Q.R.	23 7		Framework mast, red rectangular daymark, yellow band; 20.	
	*			*		*	15/04
8022.1 <i>C 7321.1</i>	--Rear, 011° from front.	57° 07.1' N 16° 33.7' E	Oc.R. period 6s	30 9		Framework mast, red rectangular daymark, yellow band; 23.	
				*		*	15/04

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SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 15/04**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP4	35	34*,36,39,42,44,46, 47,51/03;6,7,8,9,11, 12/04		
NOSPBCP5	31	51*,52/03;1,7,8,9, 10,12,13,15/04		
NOSPBCP6	34	13/04*		
NOSPBCP7	35	37*,38,39,42,44,45, 48,51/03;5,7,8,9, 14/04		
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10/04		
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8/04		
RADIO NAVIGATIONAL AIDS				
RAPUB117	2002	50/02*;13/03		
AMERICAN PRACTICAL NAVIGATOR				
NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS				
CDPUBNV102	2003	20/03*		
WORLD PORT INDEX				
NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03		
DISTANCES BETWEEN PORTS				
NVPUB151	2001	4/02*		
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL				
CDPUBNV1310	2001	51/01*		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN4	2004	N1/04*		
NOSPBTTECSTNSA4	2004	N1/04*		
NOSPBTTEURAFR4	2004	N1/04*		
NOSPBTWCSTNSA4	2004	N1/04*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN4	2004	N1/04*		
NOSPBTCTPACAS4	2004	N1/04*		

SECTION III

NM 15/04

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 251300Z March 2004:

2003 series	2004 series	84(11)	90(11)	94(GEN)
108(26,27)	57(GEN)	87(GEN)	91(GEN)	
387(GEN)	79(26)	89(11,26)	93(25)	

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarter are issued in NM 13/04.

NAVAREA IV WARNINGS issued from 181200Z to 251300Z March 2004.

88/04. CANCELED.

89/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY
22 THRU 28 MAR IN AREA BOUND BY
30-45N 080-32W, 30-45N 079-40W,
30-38N 079-40W, 30-34N 080-32W.
 - B. 0500Z TO 0459Z COMMENCING DAILY
22 THRU 28 MAR IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1300Z TO 0459Z COMMENCING DAILY
23 THRU 25 MAR AND 0500Z TO 0700Z
DAILY 24 THRU 26 MAR IN AREA BETWEEN
30-00N 29-50N AND 081-00W 080-50W.
 - D. 231530Z TO 231830Z MAR IN AREA BOUND
30-35N 081-21W, 30-35N 081-00W,
30-00N 081-02W, 30-00N 081-15W.
2. CANCEL THIS MSG 290559Z MAR.

(191805Z MAR 2004)

90/04(11). GULF OF MEXICO. FLORIDA.

1. DERELICT VESSEL PARTIALLY SUBMERGED AND
ADRIFT IN 27-17.7N 082-42.5W.
2. CANCEL THIS MSG 26 MAR.

(191850Z MAR 2004)

91/04(GEN). MASSACHUSETTS. RADIO SERVICES.

U.S. COAST GUARD STATION BOSTON SITOR OFF AIR.

(220216Z MAR 2004)

92/04. CANCELED.

93/04(25). EASTERN CARIBBEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 26 MAR THRU 03 APR IN AREA BETWEEN
13-04.0N 13-18.0N AND 061-24.4W 061-32.0W.
2. CANCEL THIS MSG 04 APR.

(221050Z MAR 2004)

94/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 231000Z MAR 2004. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 57(GEN), 79(26), 84(11), 85(14), 87(GEN),
89(11,26), 90(11), 91(GEN), 92(24,25), 93(25).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE
AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA IV 81/04.

(231010Z MAR 2004)

SECTION III

HYDROLANTS

Messages in force 251300Z March 2004:

2000 series	738(35)	2406(54)	230(57)	413(54)	470(24)
2937(38)	1117(37)	2407(54)	249(57)	425(55)	472(GEN)
3762(43)	1242(24)	2408(54)	259(54,56)	429(57)	473(57)
4265(44)	1291(37)	2409(54)	272(24)	434(37)	476(24)
2001 series	1422(53)	2410(54)	282(37)	436(GEN)	477(24)
611(44)	1472(35)	2413(54)	309(GEN)	438(24)	478(51)
2700(37)	1731(35)	2414(54)	322(53)	440(55)	479(24)
3161(44)	1944(53)	2416(54)	326(52,53,56)	444(24)	480(22)
2002 series	1999(23)	2418(52)	337(54)	449(53)	481(57)
245(GEN)	2031(55)	2419(54)	340(36)	451(55)	482(53)
246(GEN)	2175(24)	2420(54)	343(53)	452(55)	483(24)
2682(51)	2203(53)	2004 series	355(53)	453(24)	484(24)
2848(37)	2297(24)	36(51,52)	359(51)	456(GEN)	485(55)
2003 series	2319(53)	164(53)	360(36,37,44)	457(52,53)	486(52,53)
41(37)	2354(24)	169(51,52)	378(35)	464(37)	
67(37)	2374(35)	177(52)	381(53)	467(23)	
544(55)	2384(23,24)	224(24)	399(37)	468(37)	
604(26,27)	2399(24)	229(57)	409(26)	469(GEN)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.
Warnings issued during the subsequent quarter are issued in NM 13/04.

HYDROLANT WARNINGS issued from 181200Z to 251300Z March 2004.

441/04 thru 443/04. CANCELED.

444/04(24). BRAZIL-EAST COAST.
MAN OVERBOARD VICINITY 15-38.62S 038-01.21W. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL
RADIO STATION.

(190246Z MAR 2004)

445/04 thru 448/04. CANCELED.

449/04(53). SARDEGNA-NORTHEAST COAST.
CHART 53287 (6TH ED).
ISOLA RAZZOLI LIGHT 41-18.4N 009-20.4E UNLIT.

(191830Z MAR 2004)

450/04. CANCELED.

451/04(55). BLACK SEA. MISSILES.
1. HAZARDOUS OPERATIONS 241800Z TO 262200Z MAR
IN AREA BOUND BY
44-31.2N 033-08.9E, 44-05.5N 032-48.5E,
44-25.0N 032-25.5E, 44-41.4N 032-56.0E.
2. CANCEL HYDROLANT 426/04(35), AID RESTORED.
3. CANCEL THIS MSG 262300Z MAR.

(200004Z MAR 2004)

452/04(55). BLACK SEA.
CHART 55001 (4TH ED).
GLONASS DGPS STATION, 297 KHZ, ESTABLISHED
IN 46-22.7N 033-44.8E.

(200053Z MAR 2004)

453/04(24). BRAZIL-EAST COAST.
CHART 24180 (15TH ED).
RACON AT ABROLHOS LIGHT 17-57.8S 038-41.5W INOPERATIVE.

(200445Z MAR 2004)

454/04 and 455/04. CANCELED.

456/04(GEN). EUROPE-NORTHWEST COAST.
1. LORAN-C STATION LESSAY, RATES 6731-X, 6731-Z AND 7499-X,
OFF AIR 1500Z TO 2100Z DAILY 22 THRU 24 MAR,
250700Z TO 251500Z AND 260900Z TO 261400Z MAR.
2. CANCEL THIS MSG 261500Z MAR.

(200624Z MAR 2004)

SECTION III

457/04(52,53). WESTERN MEDITERRANEAN SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 25 MAR
BY M/V URANIA VICINITY:
A. 42-05.0N 010-15.5E.
B. 42-00.0N 007-00.0E.
C. 38-10.5N 007-27.7E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 26 MAR.

(211310Z MAR 2004)

458/04 thru 463/04. CANCELED.

464/04(37). FRANCE-NORTHWEST COAST.

- CHART 37080 (3RD ED).
PLATTE FOUGERE LIGHT 49-30.9N 002-29.2W UNRELIABLE.

(221525Z MAR 2004)

465/04 and 466/04. CANCELED.

467/04(23). ARGENTINA.

- CHART 23051 (9TH ED).
SANTA CRUZ LIGHT 50-09.2S 068-21.7W UNLIT.

(230319Z MAR 2004)

468/04(37). ENGLISH CHANNEL.

- UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP ILE DE BREHAT WITH SUBMERSIBLE VICINITY
49-11N 005-21W. WIDE BERTH REQUESTED.

(230750Z MAR 2004)

469/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 231200Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 249(57), 259(54,56), 272(24), 282(37), 309(GEN), 322(53), 326(52,53,56), 337(54), 340(36), 343(53), 355(53), 359(51), 360(36,37,44), 378(35), 381(53), 399(37), 401(36), 409(26), 413(54), 425(55), 429(57), 430(43), 433(14), 434(37), 436(GEN), 438(24), 440(55), 444(24), 448(54), 449(53), 450(53), 451(55), 452(55), 453(24), 454(24), 456(GEN), 457(52,53), 458(24), 459(24), 461(23,24), 462(53), 464(37), 465(55), 467(23), 468(37).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROLANT 383/04, 402/04, 412/04, 460/04, 463/04.

(231210Z MAR 2004)

470/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY BY M/V TROPICALIENTE TOWING TWO 20 METER LONG CABLES AND M/V BULLDOG TOWING TWO 15 METER LONG CABLES:
A. IN PROGRESS UNTIL 25 MAR IN AREA BOUND BY
13-38.42S 038-52.98W, 13-40.80S 038-47.90W,
13-41.20S 038-48.10W, 13-38.80S 038-53.17W.
B. 26 MAR IN AREA BOUND BY
13-38.90S 038-53.22W, 13-41.30S 038-48.15W,
13-41.68S 038-48.33W, 13-39.28S 038-53.42W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 27 MAR.

(231240Z MAR 2004)

471/04. CANCELED.

472/04(GEN). EUROPE-NORTHWEST COAST.

1. LORAN-C STATION SOUSTONS, RATE 6731-X, OFF AIR 250700Z TO 251500Z MAR.
2. CANCEL HYDROLANT 448/04(54).
3. CANCEL HYDROLANT 461/04(23,24), VESSEL IN TOW.
4. CANCEL THIS MSG 251600Z MAR.

(231845Z MAR 2004)

473/04(57). SOUTH ATLANTIC.

- M/V TOPAZ TOWING VESSEL S ARAZ UNREPORTED.
LAST KNOWN POSITION 200 MILES OFF THE
SOUTH AFRICAN COASTLINE. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO CAPE TOWN RADIO.

(231910Z MAR 2004)

474/04 and 475/04. CANCELED.

SECTION III

476/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 26 MAR BY
M/V RAMFORM VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BETWEEN
13-09S 13-45S AND 038-56W 038-31W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 27 MAR.

(240910Z MAR 2004)

477/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 26 MAR BY
M/V VERITAS VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BETWEEN
15-42S 15-08S AND 038-48W 037-47W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 27 MAR.

(240920Z MAR 2004)

478/04(51). NORTH ATLANTIC.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLAR PRINCESS TOWING 4500 METER LONG
CABLE IN AREA BOUND BY
35-35N 006-40W, 35-36N 006-10W,
34-38N 006-33W, 35-07N 007-00W.
3.5 MILE BERTH REQUESTED.

(240950Z MAR 2004)

479/04(24). BRAZIL-NORTH COAST.

MAN OVERBOARD IN 00-30.05S 046-19.38W AT 232030Z MAR.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(241020Z MAR 2004)

480/04(22). ARGENTINA. TIERRA DEL FUEGO.

- CHART 22036 (28TH ED).
1. CABO SAN DIEGO LIGHT 54-39S 065-07W UNLIT.
 2. CANCEL HYDROLANT 1834/03.

(241110Z MAR 2004)

481/04(57). SOUTH AFRICA. RADIO SERVICES.

1. CAPE TOWN WEATHER FACSIMILE OFF AIR
0600Z TO 1400Z DAILY 25 AND 26 MAR.
2. CANCEL THIS MSG 261500Z MAR.

(241140Z MAR 2004)

482/04(53). SARDEGNA-SOUTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 250800Z TO 251700Z MAR
IN AREA BOUND BY 38-55-10N 008-42-30E,
38-50-00N 008-48-00E, 38-46-15N 008-48-00E,
38-43-30N 008-41-15E, 38-49-00N 008-26-00E,
38-43-10N 008-26-40E, 38-57-00N 008-37-06E.
2. CANCEL HYDROLANT 450/04.
3. CANCEL THIS MSG 251800Z MAR.

(241545Z MAR 2004)

483/04(24). BRAZIL-SOUTH COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 300259Z MAR
BY M/V POLAR BJORN TOWING 50 METER
LONG CABLE IN AREA BETWEEN
24-08S 24-58S AND 043-01W 044-16W.
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 300359Z MAR.

(250920Z MAR 2004)

484/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 280259Z MAR
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
25-30S 045-56W, 25-35S 045-56W,
25-30S 045-27W, 25-26S 045-26W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 280359Z MAR.

(250940Z MAR 2004)

485/04(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0130Z TO 1700Z DAILY
27 THRU 29 MAR IN AREA BOUND BY
45-11.0N 033-11.0E, 44-13.2N 031-36.7E,
44-52.0N 031-11.0E, 45-20.0N 032-35.0E,
45-45.8N 033-10.8E.
2. CANCEL HYDROLANT 465/04.
3. CANCEL THIS MSG 291800Z MAR.

(251040Z MAR 2004)

SECTION III

486/04(52.53). STRAIT OF SICILY. IONIAN SEA.

1. SURVEY OPERATIONS 260001Z TO 272259Z MAR AND
020332Z TO 032359Z APR BY M/V URANIA

WITHIN 0.5 MILES OF:

- A. 38-01.808N 010-59.904E.
- B. 36-46.020N 013-17.461E.
- C. 37-11.000N 015-17.000E.
- D. 38-05.728N 015-36.269E.
- E. 38-07.777N 015-39.032E.
- F. 38-13.366N 015-36.329E.
- G. 38-15.766N 015-40.334E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 040059Z APR.

(251140Z MAR 2004)

SECTION III

NM 15/04

NAVAREA XII

Messages in force 251300Z March 2004:

2003 series	2004 series	75(19)	102(GEN)
262(GEN)	70(GEN)	96(GEN)	107(18)

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarter are issued in NM 13/04.

NAVAREA XII WARNINGS issued from 181200Z to 251300Z March 2004.

99/04 thru 101/04. CANCELED.

102/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 231000Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 70(GEN), 75(19), 96(GEN), 99(18), 100(18),
101(18,19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA XII 94/04.

(231020Z MAR 2004)

103/04 thru 106/04. CANCELED.

107/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W. TO THE SHORELINE.
C. 33-29N 119-07W. N. 34-24N 120-30W.
D. 33-29N 118-37W. O. 34-08N 120-26W.
E. 33-20N 118-37W. P. 34-08N 119-40W.
F. 32-11N 120-16W. Q. 34-00N 119-40W.
G. 31-54N 121-35W. R. 34-06N 119-13W.
H. 35-09N 123-39W. S. 34-06N 119-11W.
I. 35-29N 123-00W. T. 34-07N 119-10W.
J. 35-04N 122-43W. U. 34-07N 119-07W.
K. 35-57N 121-32W. V. 34-04N 119-04W.
L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 100/04.

(251010Z MAR 2004)

SECTION III

HYDROPACS

Messages in force 251300Z March 2004:

2001 series	1198(92)	308(61)	371(94,95)	465(63)	520(74)
1976(62)	1330(62)	316(61)	380(74,82)	466(63)	522(GEN)
2002 series	1395(62)	317(95,96)	384(62)	477(81)	523(63)
205(GEN)	1699(63)	320(97)	386(83)	485(81)	524(63)
206(GEN)	1700(62)	323(62)	387(22)	487(76)	526(29)
403(72,73)	1911(62)	329(71)	389(62)	492(GEN)	527(71,93)
2330(62)	1982(GEN)	331(GEN)	394(83)	493(63)	529(GEN)
2003 series	2004(73,74)	339(63)	402(62)	494(61)	530(61)
167(95)	2159(63)	344(76)	403(62)	495(61)	531(74)
207(62)	2265(62)	351(71)	408(63)	501(GEN)	532(83)
495(62)	2275(22)	352(63)	426(74)	504(76,81)	534(29)
496(62)	2004 series	356(94,95)	438(93)	505(75,91)	535(29,61)
506(62)	23(62)	357(94,95)	453(61)	507(63)	536(81)
638(62)	238(62)	358(94,95)	455(73)	508(63)	537(76)
760(63)	270(61)	359(61)	457(95,96)	509(63)	538(74)
761(63)	277(63)	365(63)	458(63)	510(22)	539(73,74)
993(62)	278(63)	368(63)	459(63)	513(62)	540(73)
998(71)	302(62)	369(95)	460(94)	516(81)	541(63)
1041(71)	307(61)	370(95)	464(63)	519(63)	542(63)

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.
Warnings issued during the subsequent quarter are issued in NM 13/04.

HYDROPAC WARNINGS issued from 181200Z to 251300Z March 2004.

501/04(GEN). PERSIAN GULF.

1. COALITION FORCES ARE COMMITTED TO THE GLOBAL WAR ON TERRORISM (GWOT) AND THE CONTINUED SAFE PASSAGE OF VESSELS CONDUCTING LEGITIMATE COMMERCE.
2. THIS MSG IS INTENDED TO ADVISE REGIONAL SHIPPERS OF AN INCREASED COALITION NAVAL PRESENCE IN THE GULF OF OMAN FROM 23 TO 31 MARCH FOR A MULTI-LATERAL NAVAL EXERCISE. THERE WILL BE NO LIVE FIRING EVENTS BUT THE PRESENCE WILL BE SIGNIFICANT WITH MULTIPLE MILITARY PLATFORMS FROM SEVERAL COUNTRIES.
3. COMMERCIAL SHIPS ARE REQUESTED TO PROCEED WITH EXTRA CAUTION THROUGH THE AREA OF THE GULF OF OMAN BOUNDED NORTH OF 24-30N AND SOUTH OF 26-00N.
4. CANCEL THIS MSG 01 APR.

(181401Z MAR 2004)

502/04 and 503/04. CANCELED.

504/04(76,81). NEW ZEALAND. SOUTH ISLAND-EAST COAST.

1. FISHING NET WITH FLOATS ADRIFT IN 43-28.8S 173-17.2E.
2. CANCEL HYDROPAC 491/04, SIGNAL CEASED.
3. CANCEL THIS MSG 26 MAR.

(190514Z MAR 2004)

505/04(75,91). PHILIPPINE SEA.

1. DERELICT 77 TON F/V ADRIFT IN 19-53.3N 126-11.7E AT 190510Z MAR.
2. CANCEL HYDROPAC 496/04, AID RESTORED.
3. CANCEL THIS MSG 26 MAR.

(190810Z MAR 2004)

506/04. CANCELED.

507/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 23 AND 26 MAR IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E, 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 261630Z MAR.

(191710Z MAR 2004)

508/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY 24 AND 25 MAR WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL HYDROPAC 500/04.
3. CANCEL THIS MSG 251800Z MAR.

(191715Z MAR 2004)

SECTION III

509/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 APR BY
M/V TEKNIK PERDANA AND M/V TEKNIK PUTRA
TOWING 8000 METER LONG CABLE IN AREA BOUND BY
16-23.9N 071-01.1E, 16-21.1N 071-02.8E,
16-22.8N 071-05.7E, 16-25.6N 071-04.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 APR.

(191720Z MAR 2004)

510/04(22). SOUTH PACIFIC. PERU.

SEVEN METER F/V ANITA, WHITE HULL, ONE PERSON ON BOARD,
UNREPORTED VICINITY 16-14S 073-42W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(192033Z MAR 2004)

511/04 and 512/04. CANCELED.

513/04(62). PERSIAN GULF. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0500Z TO 1300Z DAILY
24 AND 25 MAR IN AREA BOUND BY
27-50N 049-36E, 27-26N 049-51E,
27-27N 050-27E, 27-37N 050-22E,
27-51N 049-52E.
2. CANCEL THIS MSG 251400Z MAR.

(200935Z MAR 2004)

514/04 and 515/04. CANCELED.

516/04(81). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 240701Z TO 241501Z MAR,
ALTERNATE 0701Z TO 1501Z DAILY 25 AND 26 MAR
IN AREAS BOUND BY:
A. 08-43N 163-43E, 08-24N 163-09E,
08-24N 163-09E, 07-00N 164-06E,
05-48N 164-57E, 06-09N 165-31E,
07-39N 164-38E.
B. 08-57N 167-34E, 09-06N 168-04E,
09-29N 168-44E, 09-43N 169-06E,
10-23N 168-44E, 10-00N 168-04E,
09-46N 167-41E, 09-34N 167-30E,
09-23N 167-33E, 09-17N 167-23E.
2. CANCEL THIS MSG 261601Z MAR.

(202045Z MAR 2004)

517/04 and 518/04. CANCELED.

519/04(63). INDIA-WEST COAST.

1. DERELICT M/V DELTA 1 PARTIALLY SUBMERGED
AND ADRIFT VICINITY 22-36.5N 069-26.1E.
2. CANCEL THIS MSG 28 MAR.

(211800Z MAR 2004)

520/04(74). AUSTRALIA-SOUTHWEST COAST.

- CHART 74550 (4TH ED).
1. CERVANTES ISLAND REAR RANGE LIGHT
30-28.6S 115-04.4E TEMPORARILY REMOVED.
 2. CANCEL HYDROPAC 431/04, OPERATIONS SUSPENDED.

(212335Z MAR 2004)

521/04. CANCELED.

522/04(GEN). NAVAL COORDINATION AND PROTECTION OF
SHIPPING (NCAPS) EXERCISE IN WATERS
OFF THE REPUBLIC OF KOREA (ROK).

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA
(USFK) AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT,
IS CONDUCTING AN EXERCISE DURING THE FINAL
TWO WEEKS OF MARCH 2004 IN WATERS OFF THE ROK.
2. REQUEST ALL U.S. FLAGGED AND U.S. OWNED
FOREIGN FLAGGED MERCHANT VESSELS WITHIN
A 72-HOUR TRANSIT TIME OF THE ROK CALL THE
SHIPPING COORDINATION CENTER AT THE FOLLOWING
PHONE: 82 555 405 163. REQUEST THESE VESSELS
CALL DURING THE PERIODS 211100Z TO 271459Z MAR.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE
VESSEL'S NAME, FLAG, IRCS, MASTERS NAME AND
CONTACT INFORMATION, POSITION, COURSE, SPEED,

SECTION III

NM 15/04

LAST PORT, DESTINATION AND ETA. VESSELS WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE NUMBER AND BE ASKED TO CONTACT THAT PORTS SHIPPING COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.

4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE, NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE WITH MERCHANT VESSELS ARE ON A "NOT-TO-INTERFERE-BASIS"; NO DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.
5. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE Affected AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT POLLUX.NSS.NGA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
6. FOR FURTHER INFORMATION REGARDING THIS ADVISORY, CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, DIVISION OF OPERATIONS SUPPORT, MAR-613, ROOM 21222, 400 SEVENTH STREET SW, WASHINGTON DC 20590; PHONE: 202 366 5735, FAX: 202 366 3702, OR E-MAIL TO OPCENTR1@MARAD.DOT.GOV
7. CANCEL THIS MSG 01 APR.

(221700Z MAR 2004)

523/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 APR BY M/V C-ORION IN AREA BOUND BY 22-40.0N 068-29.5E, 22-34.9N 068-42.1E, 22-03.7N 068-16.6E, 22-53.4N 068-03.1E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 APR.

(221830Z MAR 2004)

524/04(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 0830Z DAILY 25 AND 26 MAR IN AREA BETWEEN 11-50N 12-00E AND 093-08E 093-18E.
2. CANCEL THIS MSG 260930Z MAR.

(221900Z MAR 2004)

525/04. CANCELED.

526/04(29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 22 MAR:
 - A. A-22A, 23 MILES BY 32 MILES IN 76-24S 052-18W.
 - B. A-23A, 32 MILES BY 34 MILES IN 76-06S 041-36W.
 - C. A-27, THREE MILES BY 14 MILES IN 75-54S 042-54W.
 - D. A-43A, 14 MILES BY 35 MILES IN 64-18S 054-30W.
 - E. A-43E, TEN MILES BY 14 MILES 66-30S 059-12W.
 - F. A-43F, 22 MILES BY 44 MILES 66-18S 060-00W.
 - G. A-52, EIGHT MILES BY 22 MILES 64-54S 057-54W.
2. CANCEL THIS MSG 30 MAR.

(230330Z MAR 2004)

527/04(71,93). SOUTH CHINA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 210001Z MAY BY M/V ZEPHYR 1 TOWING 7500 METER LONG CABLE IN AREA BOUND BY 05-00N 105-40E, 06-25N 105-40E, 09-00N 107-30E, 09-00N 110-00E, 06-00N 110-00E, 05-00N 107-00E.
2. CANCEL THIS MSG 210101Z MAY.

(230720Z MAR 2004)

528/04. CANCELED.

529/04(GEN).

1. HYDROFAC MESSAGES IN FORCE 231200Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 270(61), 277(63), 278(63), 302(62), 307(61), 308(61), 316(61), 317(95,96), 320(97), 323(62), 329(71), 331(63), 339(63), 344(76), 351(71), 352(63), 356(94,95), 357(94,95), 358(94,95), 359(61), 365(63), 368(63), 369(95), 370(95), 371(94,95), 380(74,82), 384(62), 386(83), 387(22), 389(62), 394(83), 402(62), 403(62), 408(63), 426(74), 438(93), 453(61), 455(73), 457(95,96), 458(63), 459(63),

SECTION III

460(94), 464(63), 465(63), 466(63), 477(81), 485(81),
 487(76), 490(76), 492(GEN), 493(63), 494(61), 495(61),
 499(76), 501(GEN), 504(76,81), 505(75,91), 506(63),
 507(63), 508(63), 509(63), 510(22), 513(62), 516(81),
 519(63), 520(74), 522(GEN), 523(63), 524(63), 525(63),
 526(29), 527(71,93), 528(61).

2. THE SUMMARY OF ALL HYDROPOAC MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROPOAC 895/03, 217/04, 226/04, 243/04, 249/04, 430/04, 469/04, 474/04, 483/04.

(231220Z MAR 2004)

530/04(61). INDIAN OCEAN.

M/V TOPAZ TOWING VESSEL S ARAZ UNREPORTED.
 LAST KNOWN POSITION 200 MILES OFF THE SOUTH AFRICAN COASTLINE. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO CAPE TOWN RADIO.

(231925Z MAR 2004)

531/04(74). ARAFURA SEA.

1. DERELICT 12 METER F/V, WHITE HULL,ADRIFT VICINITY 10-08S 135-57E AT 221356Z MAR.
2. CANCEL THIS MSG 31 MAR.

(240214Z MAR 2004)

532/04(83). FIJI ISLANDS.

CHART 83590 (1ST ED).
 LIGHTS UNLIT:
 1. MBATIKI ISLAND LIGHT 17-46S 179-08E.
 2. THAKAU MOMO LIGHT 17-39S 179-16E.

(240327Z MAR 2004)

533/04. CANCELED.

534/04(29). SOUTH SHETLAND ISLANDS. DECEPTION ISLAND.

- CHART 29101 (6TH ED).
 1. GRUMETE LIGHT 62-59S 060-40W UNLIT.
 2. CANCEL HYDROPOAC 1655/03.

(241120Z MAR 2004)

535/04(29,61). SOUTH AFRICA. RADIO SERVICES.

1. CAPE TOWN WEATHER FACSIMILE OFF AIR 0600Z TO 1400Z DAILY 25 AND 26 MAR.
2. CANCEL THIS MSG 261500Z MAR.

(241150Z MAR 2004)

536/04(81). NORTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 15-51.6N 132-45.8E AT 241452Z MAR.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO U.S. COAST GUARD GUAM.
2. CANCEL HYDROPOAC 516/04.

(241530Z MAR 2004)

537/04(76). NEW ZEALAND. NORTH ISLAND-SOUTHWEST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V MARKAB IN 39-51S 174-07E. 500 METER BERTH REQUESTED.
2. CANCEL HYDROPOAC 499/04.

(250950Z MAR 2004)

538/04(74). CORAL SEA.

CHART 74004 (2ND ED).
 LIHOU REEF LIGHT 17-07.8S 152-08.5E UNLIT.

(251110Z MAR 2004)

539/04(73,74). GULF OF PAPUA.

CHART 74285 (2ND ED).
 RACON AT EAST CAY LIGHT 09-24.1S 144-14.2E INOPERATIVE.

(251115Z MAR 2004)

540/04(73). GULF OF PAPUA.

CHART 73570 (7TH ED).
 RACON AT BRAMBLE CAY LIGHT 09-08.5S 143-52.6E INOPERATIVE.

(251120Z MAR 2004)

SECTION III

NM 15/04

541/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 260030Z TO 261230Z MAR
IN AREA BOUND BY 19-14.6N 084-53.6E,
19-11.6N 084-51.4E, 19-04.6N 085-00.9E,
19-05.2N 084-50.7E, 19-12.4N 084-48.3E.
2. CANCEL THIS MSG 261330Z MAR.

(251220Z MAR 2004)

542/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 26 AND 27 MAR
IN AREA BETWEEN 15-13N 15-11N AND 073-57E.
2. CANCEL THIS MSG 271330Z MAR.

(251240Z MAR 2004)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 25 March 2004: 00-7, 01-7, 02-2, 02-5, 02-7, 03-4 and 04-1.

MARAD ADVISORY NO. 04-1 (221457Z MAR 2004)

TO: ALL OPERATORS OF U.S. FLAG, EFFECTIVE U.S. CONTROLLED VESSELS AND OTHER MARITIME INTERESTS

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK) AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2004 IN WATERS OFF THE ROK.
2. REQUEST ALL U.S.-FLAGGED AND U.S.-OWNED FOREIGN FLAGGED MERCHANT VESSELS WITHIN A 72-HOUR TRANSIT TIME OF THE ROK CALL THE SHIPPING COORDINATION CENTER AT THE FOLLOWING PHONE NUMBER: (COUNTRY CODE 82) 55-540-5163. REQUEST THESE VESSELS CALL DURING THE PERIODS 212000 (21100Z) AND 272359 (271459Z), MARCH, KOREAN TIME.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME, FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION, COURSE, SPEED, LAST PORT, DESTINATION, AND ETA. VESSELS WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.
4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE, NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE WITH MERCHANT VESSELS ARE ON A {NOT-TO-INTERFERE-BASIS;} NO DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.
5. THIS ADVISORY IS CANCELED UPON CONCLUSION OF THE EXERCISE.
6. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE Affected AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT POLLUX.NSS.NGA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
7. FOR FURTHER INFORMATION REGARDING THIS ADVISORY, CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, DIVISION OF OPERATIONS SUPPORT, MAR-613, ROOM 21222, 400 SEVENTH STREET SW, WASHINGTON DC 20590; TELEPHONE (202) 366-5735, FAX (202) 366-3702, OR E-MAIL TO OPCENTR1@MARAD.DOT.GOV.

SECTION III

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 25 March 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand Chart distributed by OceanGrafix (www.OceanGrafix.com), and
- the Traditional NOAA/NOS paper Chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand Chart is available the day after NOAA clears a New Edition for release. The Traditional Chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions contact NOAA at help@nauticalcharts.gov or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below:

11349	41 st Ed. Mar 2004 NEW EDITION 11BCO11349 LA-VERMILLION BAY AND APPROACHES (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
12235	30 th Ed. Mar 2004 NEW EDITION 12AHA12235 VA-CHESAPEAKE BAY-RAPPAHANNOCK RIVER ENTRANCE-PIANKATANK & GREAT WICOMICO RIVERS (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:40,000
13286	30 th Ed. Mar 2004 NEW EDITION 13AHA13286 ME-NH-CAPE ELIZABETH TO PORTSMOUTH INSETS: Cape Porpoise Harbor Wells Harbor Kennebunk River Perkins Cove (New edition due to changes in hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C 1:10,000 1:20,000 1:10,000 1:10,000
14805	24 th Ed. Mar 2004 NEW EDITION 14XCO14805 NY-LAKE ONTARIO-LONG POND TO THIRTYMILE POINT INSETS: Point Breeze Harbor (New edition due to numerous Notice to Mariners and change in format.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C 1:10,000
14918	27 th Ed. Mar 2004 NEW EDITION 14XHA14918 WI-HEAD OF GREEN BAY (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:25,000
14994	11 th Ed. Mar 2004 NEW EDITION 14XHA14994 MN-BORDER LAKES-EASTERN KABETOGAMA LAKE-WESTERN NAMAKIN LAKE (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:42,240
17436	7th Ed. Mar 2004 NEW EDITION 17BHA17436 AK-SOUTHEAST COAST-CLARENCE STRAIT-CHOLMONDELEY SOUND AND SKOWL ARM (New edition due to various general changes and change in format.)	NAD 83	(NOS Silver Spring, MD) 1:40,000
18539	9 th Ed. Mar 2004 NEW EDITION 18XHA18539 OR-WA-COLUMBIA RIVER-BLALOCK ISLANDS TO MCNARY DAM (New edition due to various general changes and change in format.)	NAD 83	(NOS Silver Spring, MD) 1:20,000
19007	18 th Ed. Mar 2004 NEW EDITION 19ACO19007 HI-HAWAIIAN ISLANDS -HAWAII TO FRENCH FRIGATE SHOALS (New edition due to numerous Notice to Mariner changes and change in format.)	WGS 84	(NOS Silver Spring, MD) 1:1,650,000

SECTION III**DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS**

The Cospas-Sarsat Program has announced plans to terminate satellite processing of distress signals from 121.5 and 243 MHz emergency beacons on February 1, 2009. Users of the system will have to switch to emergency beacons operating at 406 MHz, which are more reliable and provide search and rescue agencies complete information that they need to do their job, in order to be detected by satellites.

Reasons for the Cospas-Sarsat program to discontinue use is driven by guidance from the International Maritime Organization (IMO) and the International Civil Aviation Organization (ICAO). These two agencies are responsible for regulating the safety of ships and aircraft on international transits and handle international standards for maritime and aeronautical search and rescue missions. In addition, 121.5 MHz false alerts inundate search and rescue resources which impact the effectiveness of lifesaving services.

Individuals who plan on buying a new distress beacon may wish to take the Cospas-Sarsat decision into account.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

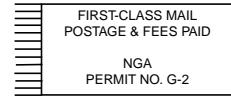
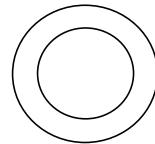
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary) _____

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

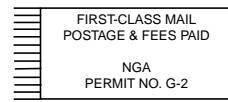
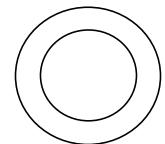
Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Sounding sensor or method used _____

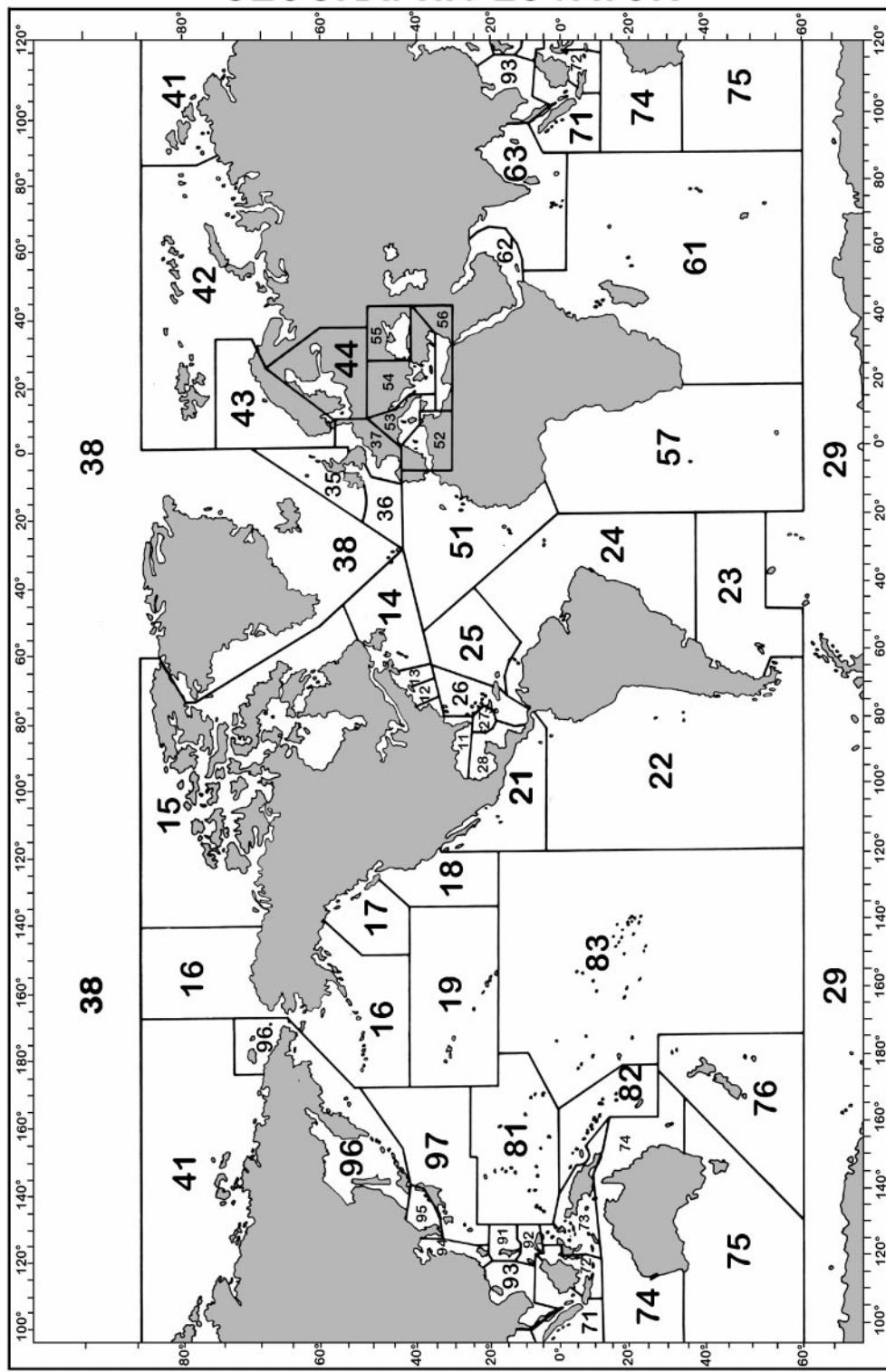
Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary): _____



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**

GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

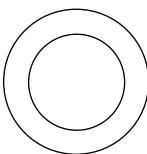
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY